SAMSUNG

DIGITAL HOME THEATER SYSTEM

HT-DS630T

Instruction Manual

Anynet DOLBY DIGITAL PRO LOGIC II DIGITAL dts SURROUND DVD AUDIO/VIDEO COMPACT disc DIGITAL AUDIO MP3 DIGITAL DISC PLAYBACK

Safety Warnings

CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APPARAT
PRODUCTO LASER CLASE 1

Note to CATV system installer :
This reminder is provided to call the CATV system installer's attention to Section 820~40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical

CAUTION
RISK OF ELECTRIC SHOCK.
DO NOT OPEN

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE REAR COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product.

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION-INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED, AVOID EXPOSURE TO BEAM.

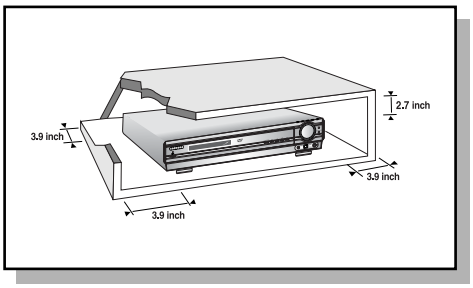
This symbol indicates that dangerous voltage which can cause electric shock is present inside this unit.

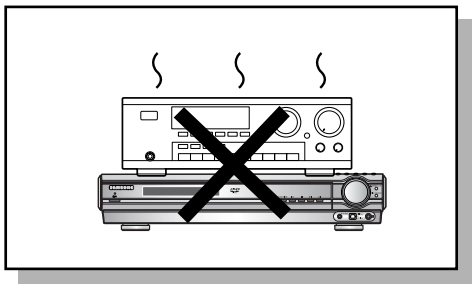
This symbol alerts you to important operating and maintenance instructions accompanying the unit.

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

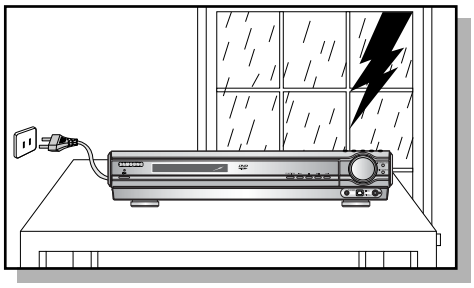
CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

Precautions

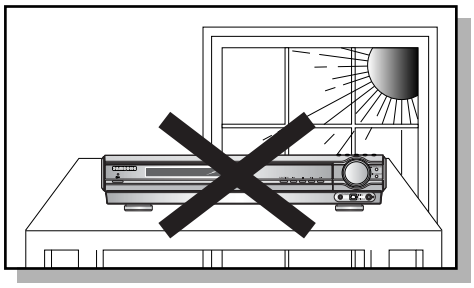




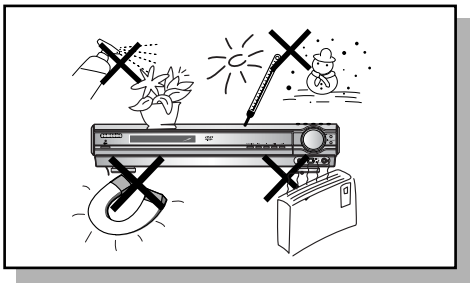
Ensure that the AC power supply in your house complies with the identification sticker located on the back of your player. Install your player horizontally, on a suitable base (furniture), with enough space around it for ventilation (3~4inches). Make sure the ventilation slots are not covered. Do not stack anything on top of the player. Do not place the player on amplifiers or other equipment which may become hot. Before moving the player, ensure the disc tray is empty. This player is designed for continuous use. Switching off the DVD player to the stand-by mode does not disconnect the electrical supply. In order to disconnect the player completely from the power supply, remove the main plug from the wall outlet, especially when left unused for a long period of time.



During thunderstorms, disconnect AC main plug from the wall outlet.
Voltage peaks due to lightning could damage the unit.



Do not expose the unit to direct sunlight or other heat sources.
This could lead to overheating and malfunction of the unit.

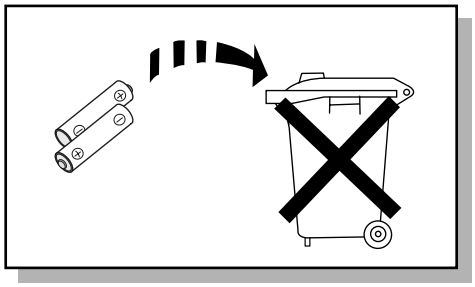


Protect the player from moisture(i.e. vases) , and excess heat(e.g.fireplace) or equipment creating strong magnetic or electric fields (i.e.speakers...). Disconnect the power cable from the AC supply if the player malfunctions. Your player is not intended for industrial use.

Use of this product is for personal use only.

Condensation may occur if your player or disc have been stored in cold temperatures.

If transporting the player during the winter, wait approximately 2 hours until the unit has reached room temperature before using.



The battery used with this product contain chemicals that are harmful to the environment.

Do not dispose of batteries in the general household trash.

Features

Multi-Disc Playback & AM/FM Tuner

The HT-DS630T combines the convenience of multi-disc playback capability, including DVD-AUDIO, DVD-VIDEO, VCD, CD, MP3-CD, CD-R/RW, and DVD-R/RW, with a sophisticated AM/FM tuner, all in a single player.

DVD-Audio compatible

Experience the super high-quality audio performance of DVD-Audio.
The on-board 24-bit/192kHz DAC enables this player to deliver exceptional sound quality in terms of dynamic range, low-level resolution and high-frequency detail.

Dolby Pro Logic II

Dolby Pro Logic II is a new form of multi-channel audio signal decoding technology that improves upon existing Dolby Pro Logic.

DTS (Digital Theater Systems)

DTS is an audio compression format developed by Digital Theater Systems Inc.
It delivers full-frequency 5.1 channel sound.

TV Screen Saver Function

The HT-DS630T automatically brightens and darkens the brightness of the TV screen after 3 minutes in the stop mode.
The HT-DS630T automatically switches itself into the power saving mode after 20 minutes in the screen saver mode.

Power Saving Function

The HT-DS630T automatically shuts itself off after 20 minutes in the stop mode.

Customized TV Screen Display

The HT-DS630T allows you to select your favorite image during JPEG, DVD playback and set it as your background wallpaper.

P.SCAN(Progressive Scan) Function

Unlike regular Interlace Scan, in which two fields of picture information alternate to create the entire picture (odd scan lines, then even scan lines), Progressive Scan uses one field of information (all lines displayed in one pass) to create a clear and detailed picture without visible scan lines.

Samsung AV Device Operation using Anynet

You can conveniently operate Samsung DVD and other Samsung AV devices with one remote controller of Samsung TV, using Anynet.

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Notes on Discs

DVD (Digital Versatile Disc) offers fantastic audio and video, thanks to Dolby Digital surround sound and MPEG-2 video compression technology. Now you can enjoy these realistic effects in the home, as if you were in a movie theater or concert hall.

DVD players and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play.
The Region Number for this player is given on the rear panel of the player.
(Your DVD player will only play DVDs that are labeled with identical region codes.)

Playable Discs

Disc Type	Mark (Logo)	Recorded Signals	Disc Size	Max. Playing Time
DVD-AUDIO DVD-VIDEO		Audio + Video	5"	Approx. 240 min. (single-sided)
				Approx. 480 min. (double-sided)
			3 1/2"	Approx. 80 min. (single-sided)
				Approx. 160 min. (double-sided)
VIDEO-CD		Audio + Video	5"	74 min.
			3 1/2"	20 min.
AUDIO-CD		Audio	5"	74 min.
			3 1/2"	20 min.

Do not use the following types of disc!

- LD, CD-G, CD-I, CD-ROM and DVD-ROM cannot be played on this player.
  If such discs are played, a "**WRONG DISC FORMAT**" message appears on the TV screen.
- DVD discs purchased abroad may not play on this player.
  If such discs are played, a "**WRONG REGION CODE**" message appears on the TV screen.

Copy Protection

- **Many DVD discs are encoded with copy protection. Because of this, you should only connect your DVD player directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected DVD discs.**
- This product incorporates copyright protection technology that is protected by methods claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

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Disc Recording Format

CD-R Discs

- Depending on the disc recording device (CD-Recorder or PC) and the condition of the disc, some CD-R discs may not be playable.
- Use a 650MB/74 minute CD-R. Avoid CD-R media, as they may not be playable.
- If possible, do not use CD-RW (Rewritable) media, as they may not be playable.
- Only CD-Rs that are properly "closed" can be fully played. If the session is closed but the disc is left open, you may not be able to fully play the disc.

CD-R MP3 Discs

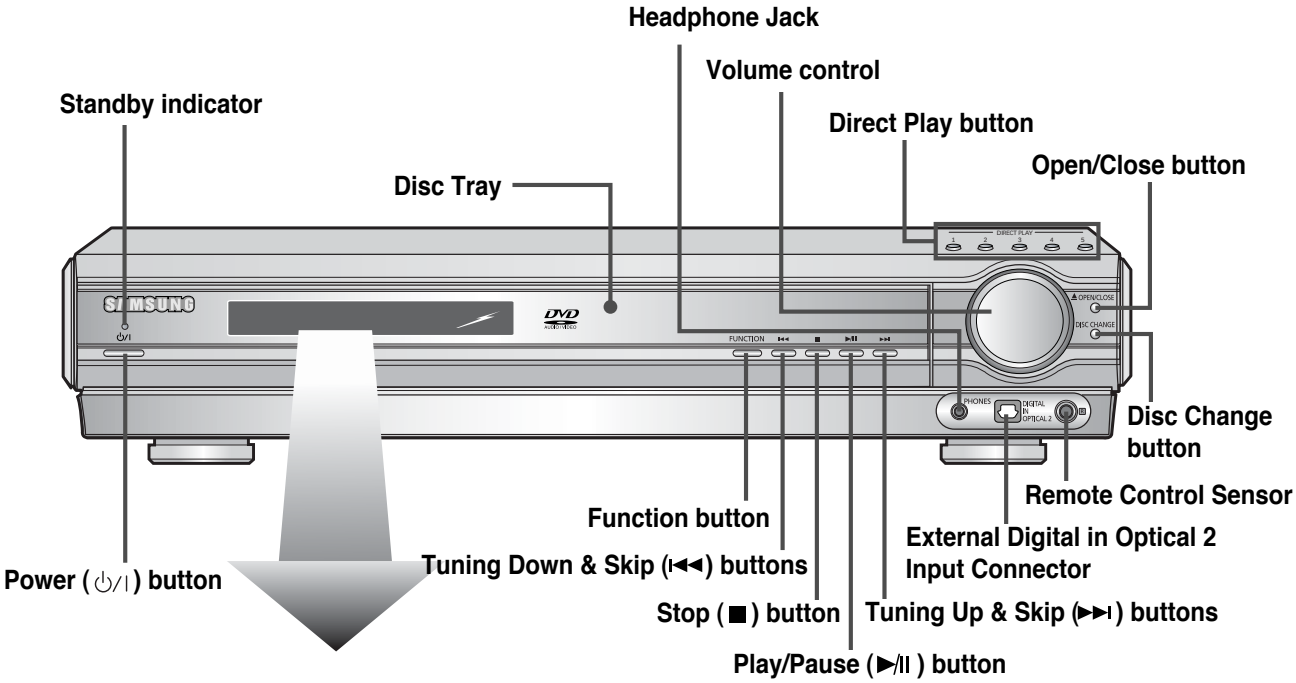
- Only CD-R discs with MP3 files in ISO 9660 or Joliet format can be played.
- MP3 file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- Use discs recorded with a compression/decompression data rate greater than 128Kbps.
- Only files with the ".mp3" and ".MP3" extensions can be played.
- Only a consecutively written Multi session disc can be played. If there is a blank segment in the Multi session disc, the disc can be played only up to the blank segment.
- If the disc is not closed, it will take longer to begin playback and not all of the recorded files may be played.
- For files encoded in Variable Bit Rate (VBR) format, i.e. files encoded in both low bit rate and high bit rate (e.g., 32Kbps ~ 320Kbps), the sound may skip during playback.
- If more than 500 tracks are recorded on a single CD, a maximum of 500 tracks can be played.
- If more than 300 folders are recorded on a single CD, a maximum of 300 folders can be played.

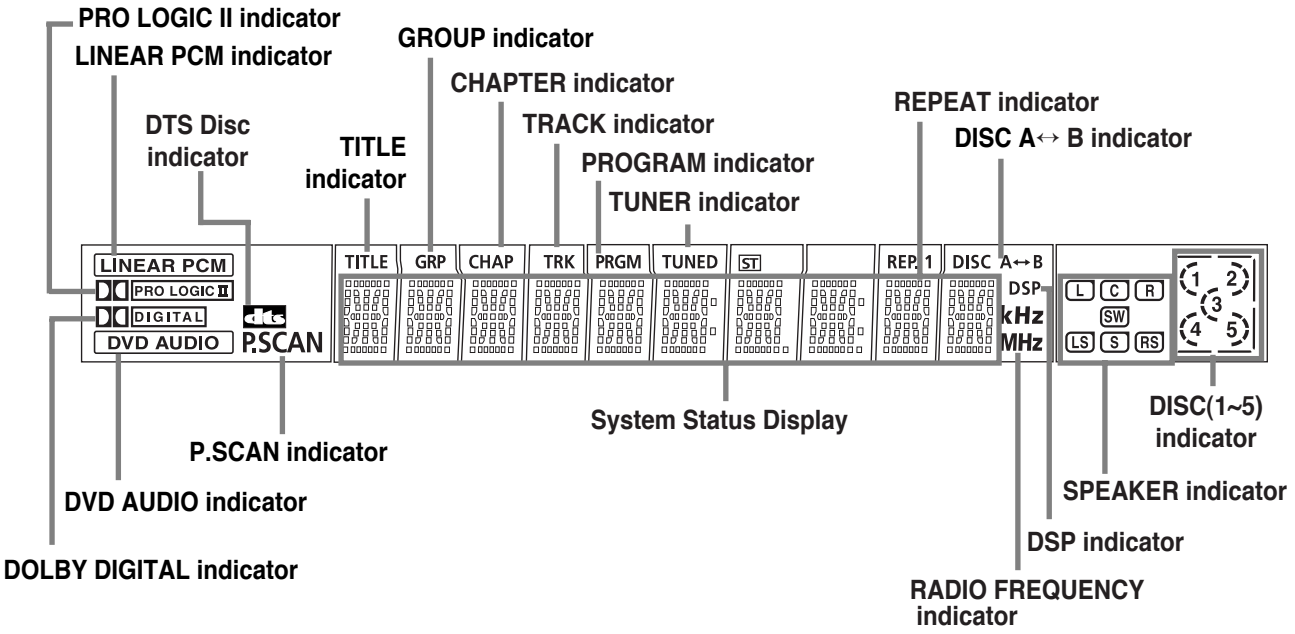
CD-R JPEG Discs

- Only files with the ".jpeg" and ".JPEG" extensions can be played.
- If the disc is not closed, it will take longer to start playing and not all of the recorded files may be played.
- Only CD-R discs with JPEG files in ISO 9660 or Joliet format can be played.
- JPEG file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- Only a consecutively written multi session disc can be played. If there is a blank segment in the multi session disc, the disc can be played only up to the blank segment.
- A maximum of 9,999 images can be stored on a single CD.
- When playing a Kodak/Fuji Picture CD, only the JPEG files in the picture folder can be played.
- Picture discs other than Kodak/Fuji Picture CDs may take longer to start playing or may not play at all.

Description

—Front Panel—





—Rear Panel—

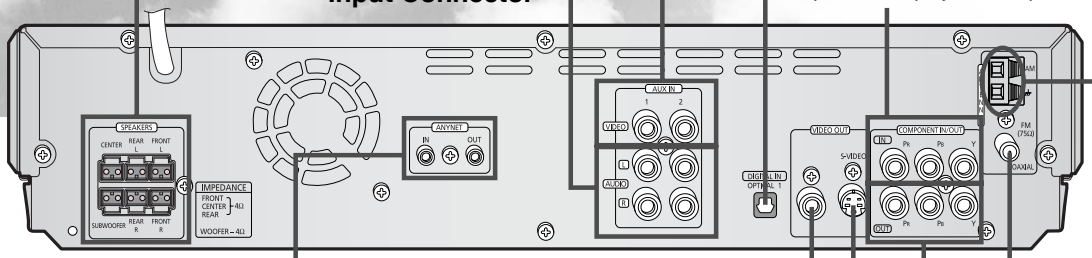
5.1 Channel Speaker Output Terminals

External Digital in Optical 1 Input Connector
Use this to connect external equipment capable of digital output.

External Video Component Input Connectors

External Audio Component Input Connector

COMPONENT VIDEO /INPUT Connectors
Connect a external equipment with component video outputs to the player's component Video inputs



AM Antenna Connector

Video Output Connector
Connect the TV's video input connectors (VIDEO IN) to the VIDEO OUT connector.

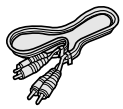
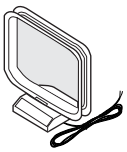
FM Antenna Connector

Anynet Output/Input Connector

S-Video Output Connector
If the TV is equipped with an S-Video input connector (S-VIDEO IN), connect it to the player's S-Video output jack.

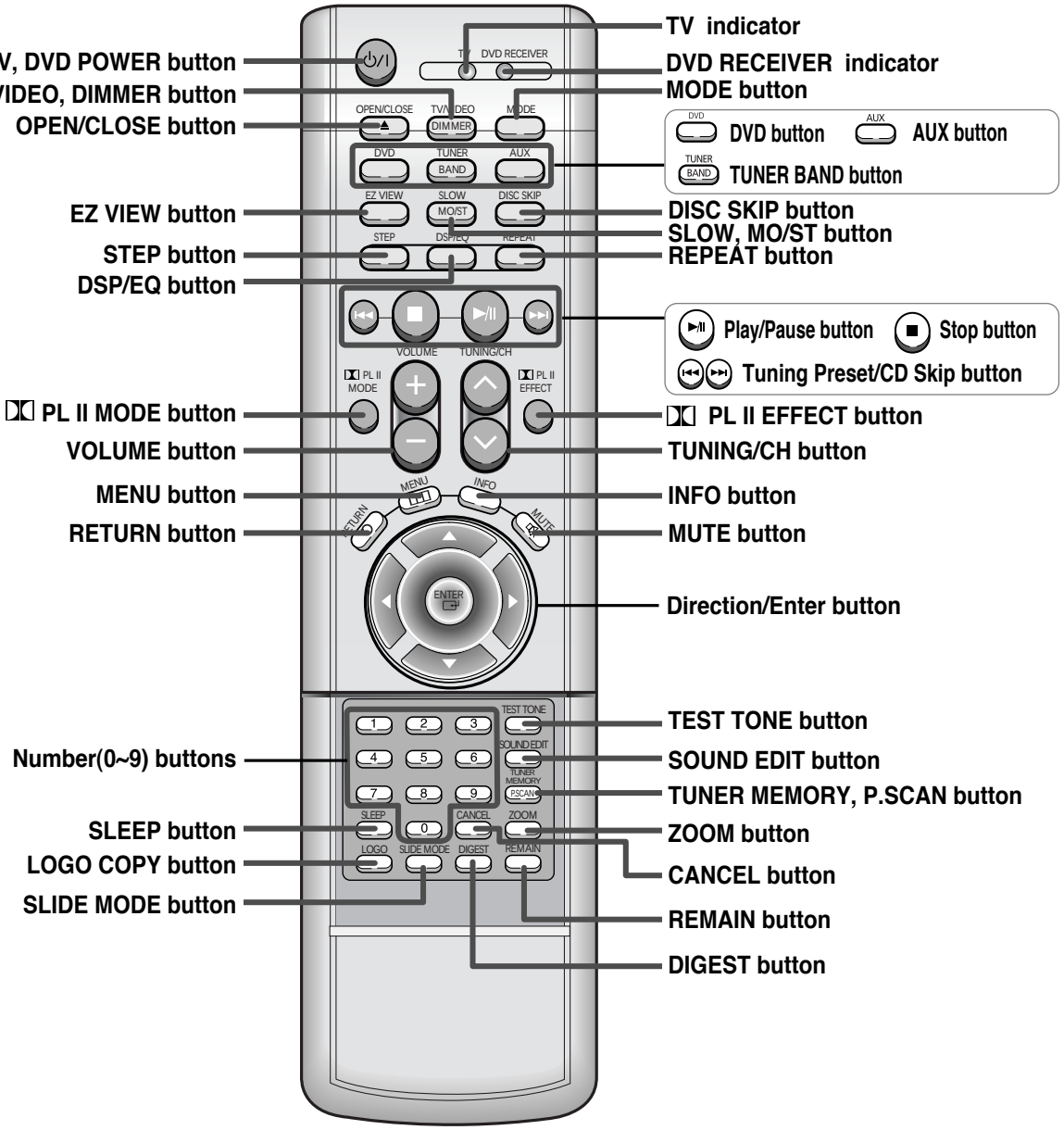
Component Video Output Connector
Connect a TV with component video inputs to the player's component Video outputs.

Accessories

Remote Control	 Audio Cable	Video Cable
 AM Antenna	FM Antenna	Anynet Cable
Speaker Cables	User's Manual	

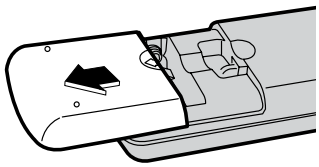
Description

—Remote Control—

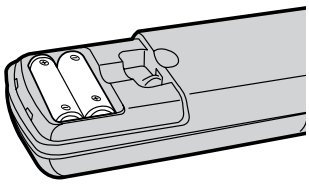


Insert Remote Batteries

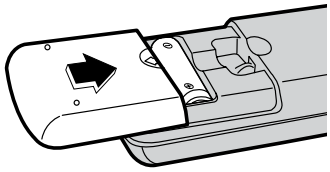
1 Remove the battery cover on the back of the remote by pressing down and sliding the cover in the direction of the arrow.



2 Insert two 1.5V AAA batteries, paying attention to the correct polarities (+ and –).



3 Replace the battery cover.



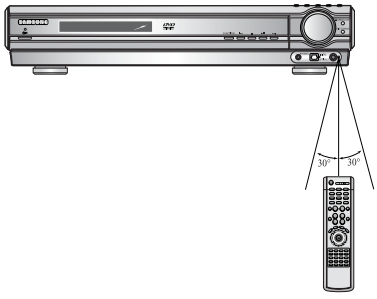
Caution

Follow these precautions to avoid leaking or cracking batteries:

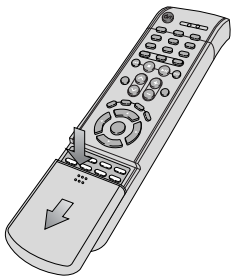
- Place batteries in the remote control so they match the polarity:(+) to (+)and (–)to (–).
- Use the correct type of batteries.Batteries that look similar may differ in voltage.
- Always replace both batteries at the same time.
- Do not expose batteries to heat or flame.

Range of Operation of the Remote Control

The remote control can be used up to approximately 23 feet/7 meters in a straight line. It can also be operated at a horizontal angle of up to 30° from the remote control sensor.

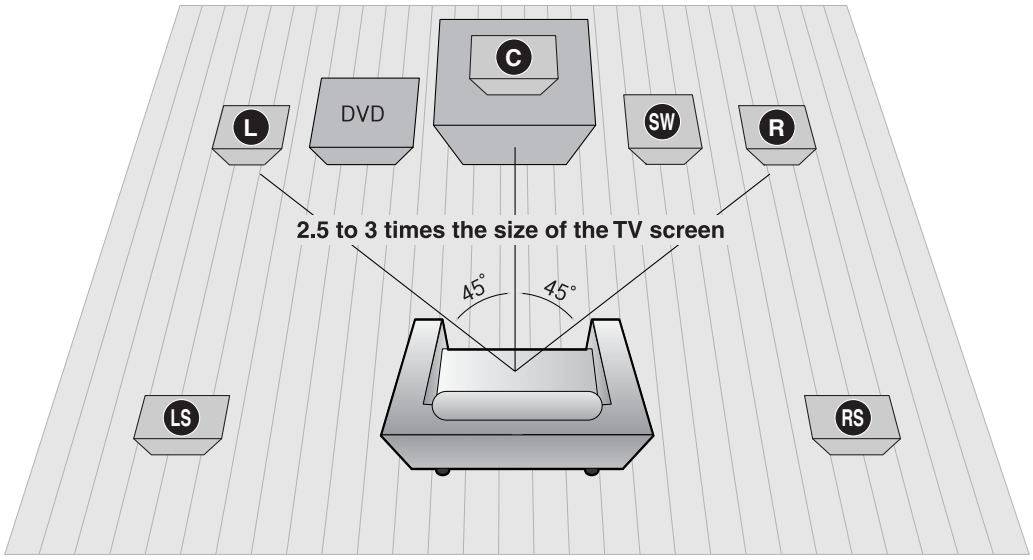


To open the remote control cover, push the top of the cover, then slide downward.



Connecting the Speakers

Before moving or installing the product, be sure to turn off the power and disconnect the power cord.



Position of the DVD Player

- Place it on a stand or cabinet shelf, or under the TV stand.

Front Speakers L R

- Place these speakers in front of your listening position, facing inwards (about 45°) toward you.
- Place the speakers so that their tweeters will be at the same height as your ear.
- Align the front face of the front speakers with the front face of the center speaker or place them slightly in front of the center speakers.

Center Speaker C

- It is best to install it at the same height as the front speakers.
- You can also install it directly over or under the TV.

Selecting the Listening Position

The listening position should be located about 2.5 to 3 times the distance of the TV's screen size away from the TV. Example: For 32" TVs 2~2.4m (6~8 feet)
For 55" TVs 3.5~4m (11~13 feet)

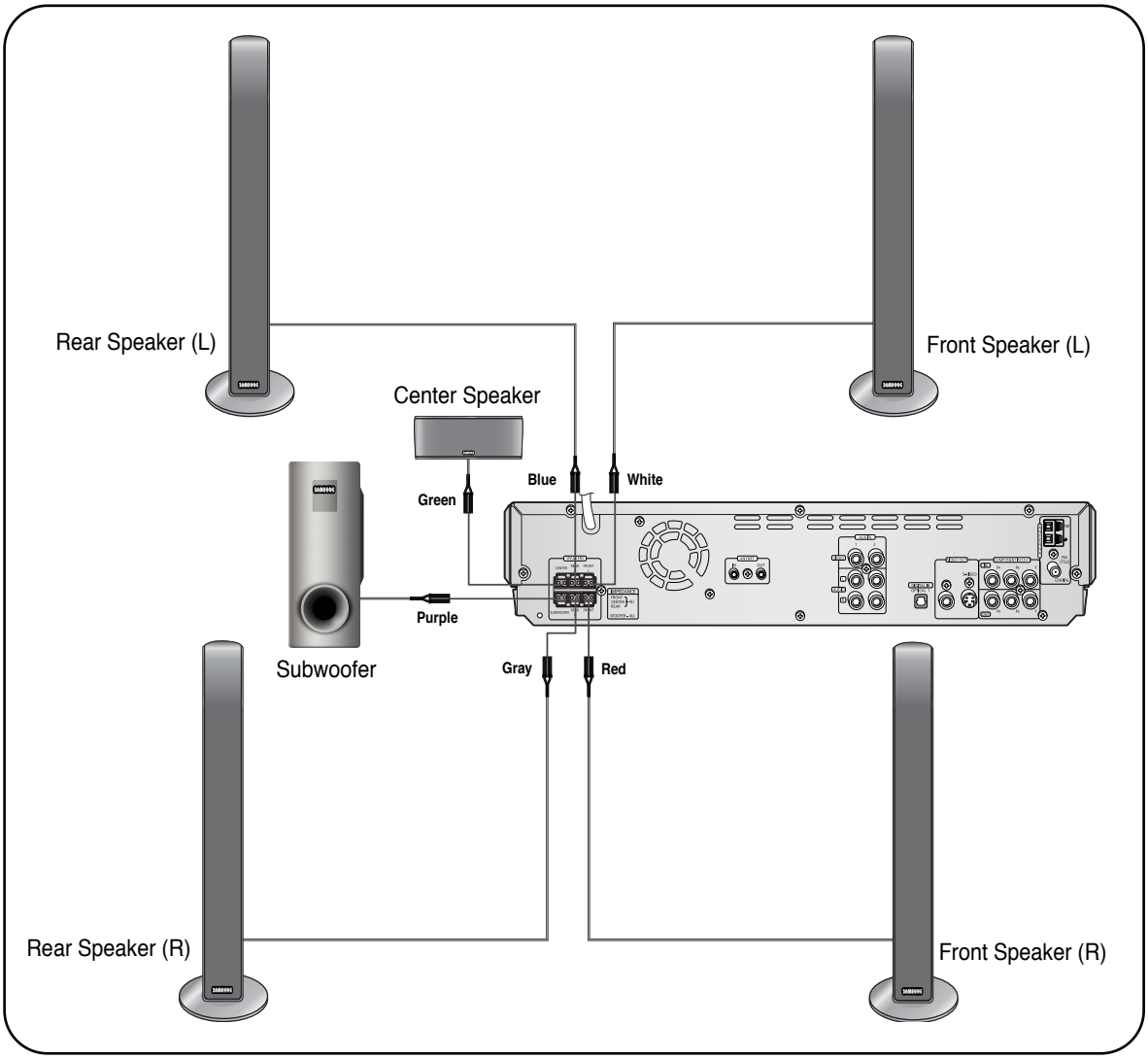
Rear Speakers LS RS

- Place these speakers behind your listening position.
- If there isn't enough room, place these speakers to face each other.
- Place them about 60 to 90cm (2 to 3 feet) above your ear, facing slightly downward.

  * Unlike the front and center speakers, the rear speakers are used to handle mainly sound effects and sound will not come from them all the time.

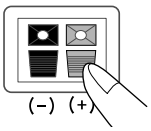
Subwoofer SW

- The position of the subwoofer is not so critical. Place it anywhere you like.
- Usually, it is placed by a corner near the front speakers.



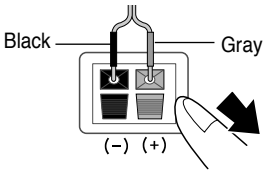
Back of the Speakers

1 Press down the terminal tab on the back of the speaker.



2 Insert the wire into the terminal and release the terminal tab.

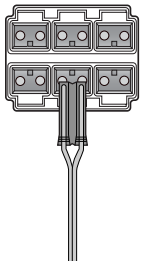
- Insert the black wire into he black (–) terminal and the gray wire into the gray (+) terminal.
- Make sure the polarities (+ and –) are correct.



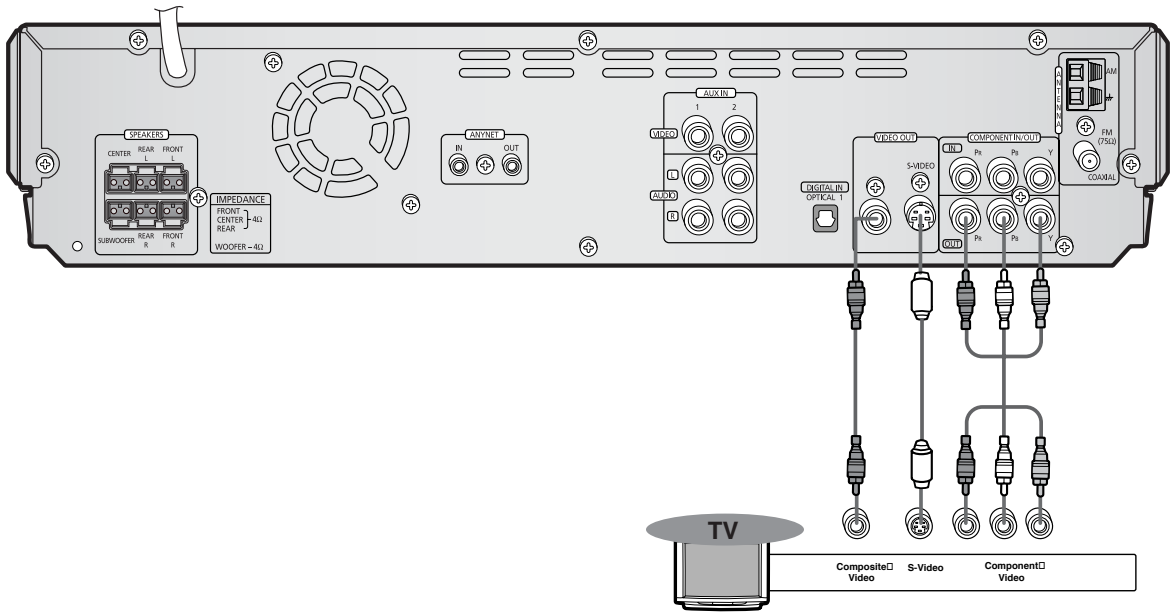
Back of the Main Unit

3 Connect the connecting plugs (6) to the back of the DVD player.

- Make sure the colors of the speaker terminals match the colors of the connecting plugs.



Connecting the Video Out to TV



* Depending on your TV, Component Video input jacks may be marked as DVD Video input.

Composite Video (Good Quality)
Connect the supplied video cable from the VIDEO OUT jack on the back panel of the system to the VIDEO IN jack on your television.

S-Video (Better Quality)
If you television is equipped with an S-Video input, connect an S-Video cable (not supplied) from the S-VIDEO OUT jack on the back panel of the system to the S-VIDEO IN jack on your television.

Component Video (Best Quality)
If your television is equipped with Component Video inputs, connect a component video cable (not supplied) from the Pr, Pb and Y jacks on the back panel of the system to the corresponding jacks on your television.

Note

- When the Progressive scan mode is selected, the VIDEO and S-VIDEO outputs do not feed any signal. See page 14 to select Progressive Scan.

P.SCAN(Progressive Scan) Function

Unlike regular Interlace Scan, in which two fields of picture information alternate to create the entire picture (odd scan lines, then even scan lines), Progressive Scan uses one field of information (all lines displayed in one pass) to create a clear and detailed picture without visible scan lines.

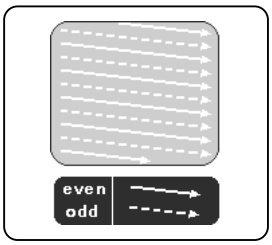
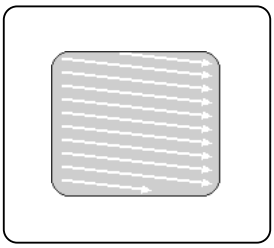
1 Press STOP button.

- When disc is played back, press the **STOP** button twice so that "**STOP**", appears on the display.

2 Press and hold P.SCAN button on the remote control for over 5 seconds.

- Pressing and holding the button for over 5 seconds will select "**Progressive Scan**" and "**Interlace Scan**" repetitively.
- When you select P.SCAN, "**P.SCAN**" will appear on the display

What is Progressive (or Non-Interlaced) Scanning?

Interlaced Scan (1 FRAME = 2 FIELDS)	Progressive Scan (FULL FRAME)
	
In interlaced-scan video, a frame consists of two interlaced fields (odd and even), where each field contains every other horizontal line in the frame. The odd field of alternating lines is displayed first, and then the even field is displayed to fill in the alternating gaps left by the odd field to form a single frame. One frame, displayed every 1/30th of a second, contains two interfaced fields, thus a total of 60 fields are displayed every 1/60th of a second. The interlaced scanning method is intended for capturing a still object.	The progressive scanning method scans one full frame of video consecutively down the screen, line by line. An entire image is drawn at one time, as opposed to the interlaced scanning process by which a video image is drawn in a series of passes. The progressive scanning method is desirable for dealing with moving objects.

Note

- This function works only on TVs equipped with component video inputs (Y, Pr, Pb) that support Progressive Video. (It does not work on TVs with conventional component inputs, i.e., non-progressive scan TVs.)
- Depending on the brand and model of your TV, this function may not work.

Selecting the Video Format

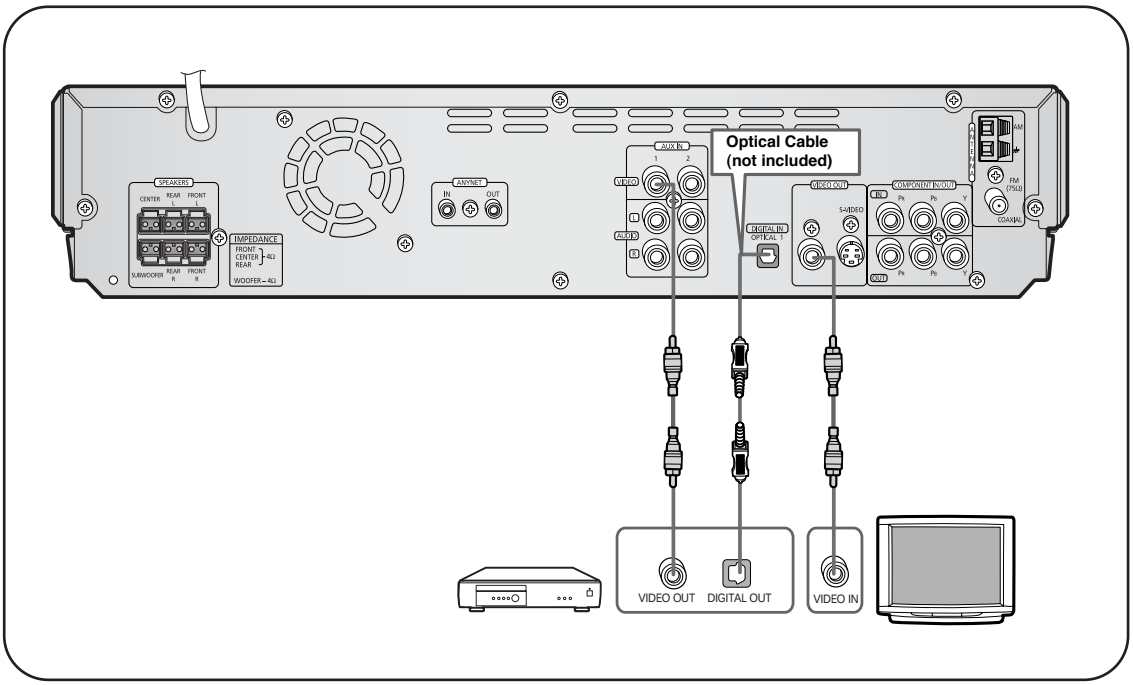
Press and hold **NTSC/PAL** button on the remote controller for over 5 seconds while the power is turned off.

- "**NTSC**" or "**PAL**" will appear in the display.
  At this time, press the **NTSC/PAL** button shortly to select between "**NTSC**" and "**PAL**".
- Each country has a different video format standard.
- For normal playback, the video format of the disc must be the same as the video format of your TV.

Connecting External Components

Connecting an External Digital Component

Example: Digital signal components such as a Settop Box or CD Recorder.



1 Connect Video Out on the DVD player to Video In on the TV.

2 Connect the Digital Input (OPTICAL 1 or 2) to the Digital Output on the external digital component.

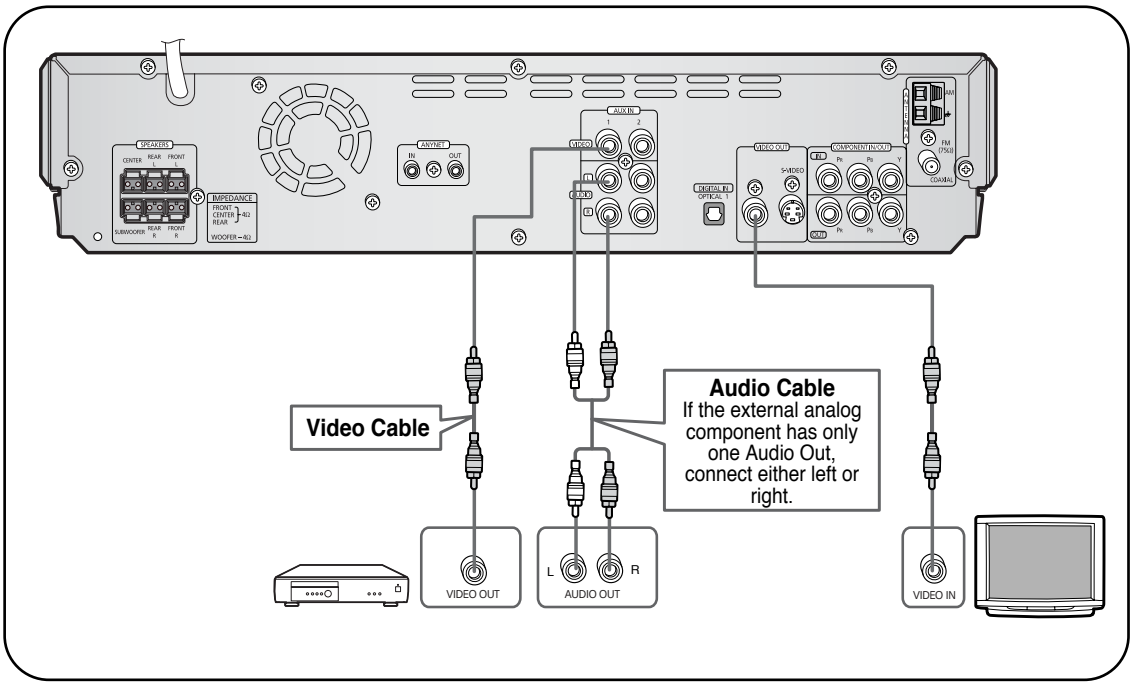
3 Press **AUX** on the remote control to select 'DIGITAL 1, 2'.

- Each time the button is pressed, the selection changes as follows: **DIGITAL 1 → DIGITAL 2 → AUX 1 → AUX 2**.
- You can also use the **FUNCTION** button on the main unit.
  The mode switches as follows: **DVD/CD → DIGITAL 1 → DIGITAL 2 → AUX1 → AUX2 → FM → AM**.

Note • When you select Digital 1 or 2, you are selecting the Optical 1 and 2 inputs on the unit respectively.

Connecting an External Analog Component

Example: Analog signal components such as a VCR or TV.



1 Connect Video Out on the DVD player to Video In on the TV.

2 Connect Video In on the DVD player to Video Out on the external analog component.

3 Connect Audio In on the DVD player to Audio Out on the external analog component.

- Be sure to match connector colors.

4 Press **AUX** on the remote control to select AUX 1 or AUX 2.

- Each time the button is pressed, the selection changes as follows: **DIGITAL 1 → DIGITAL 2 → AUX 1 → AUX 2**.
- You can also use the **FUNCTION** button on the main unit. The mode switches as follows: **DVD/CD → DIGITAL 1 → DIGITAL 2 → AUX1 → AUX2 → FM → AM**.

Note

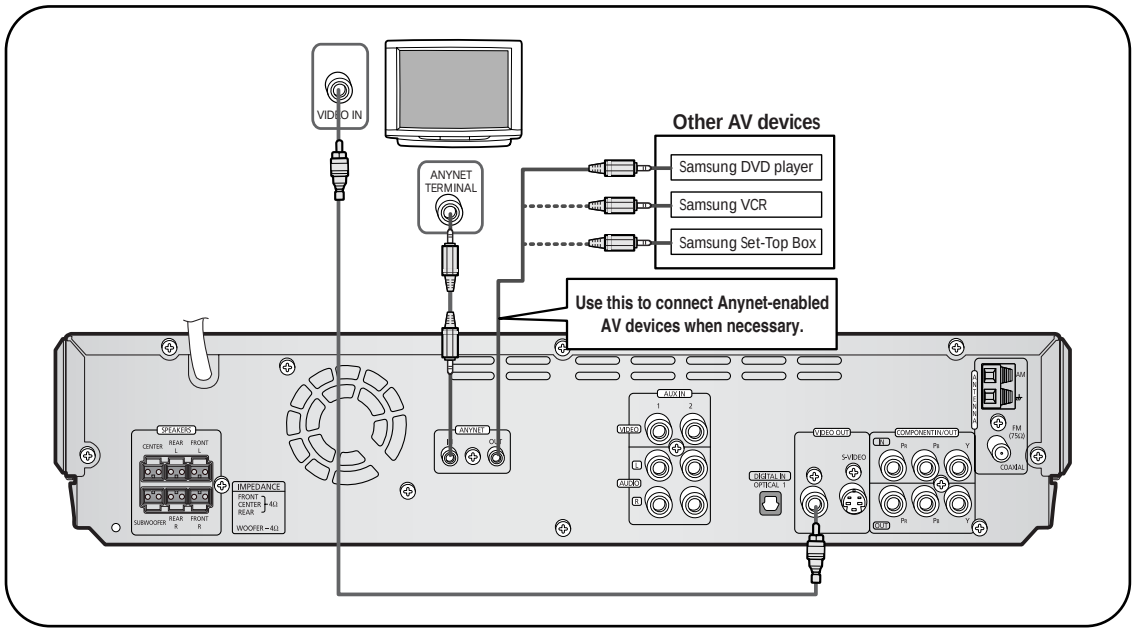
- If you have connected an external digital component and also an Analog component to Video In (1, 2) at the same time, there will be video from AUX 1 even when you select DIGITAL 1 or 2 IN.
- If you have connected Audio In (L, R) to 1, connect Video In to 1 as well, and if you have connected Audio In (L, R) to 2, connect Video In to 2 also.
- When you select Aux 1 or 2, you are selecting Video 1 or 2 inputs respectively.

How to Connect to Anynet

Using the Anynet function, the DVD Home Theater System can be conveniently controlled from your Samsung TV. By connecting the Anynet output terminal on the DVD Home Theater System to the input terminal of any Samsung Anynet-enabled device, both can be controlled from your TV. For detailed operation instructions and connection diagram, refer to the user's manual of your Anynet-enabled TV.

What is Anynet?

- The Anynet function allows you to use your TV's remote control and menu to control all AV devices.
- **However, this function is available only with Samsung Anynet-enabled models.**



1 Connect the Anynet input terminal on the back of this unit to your Samsung TV's Anynet output terminal.

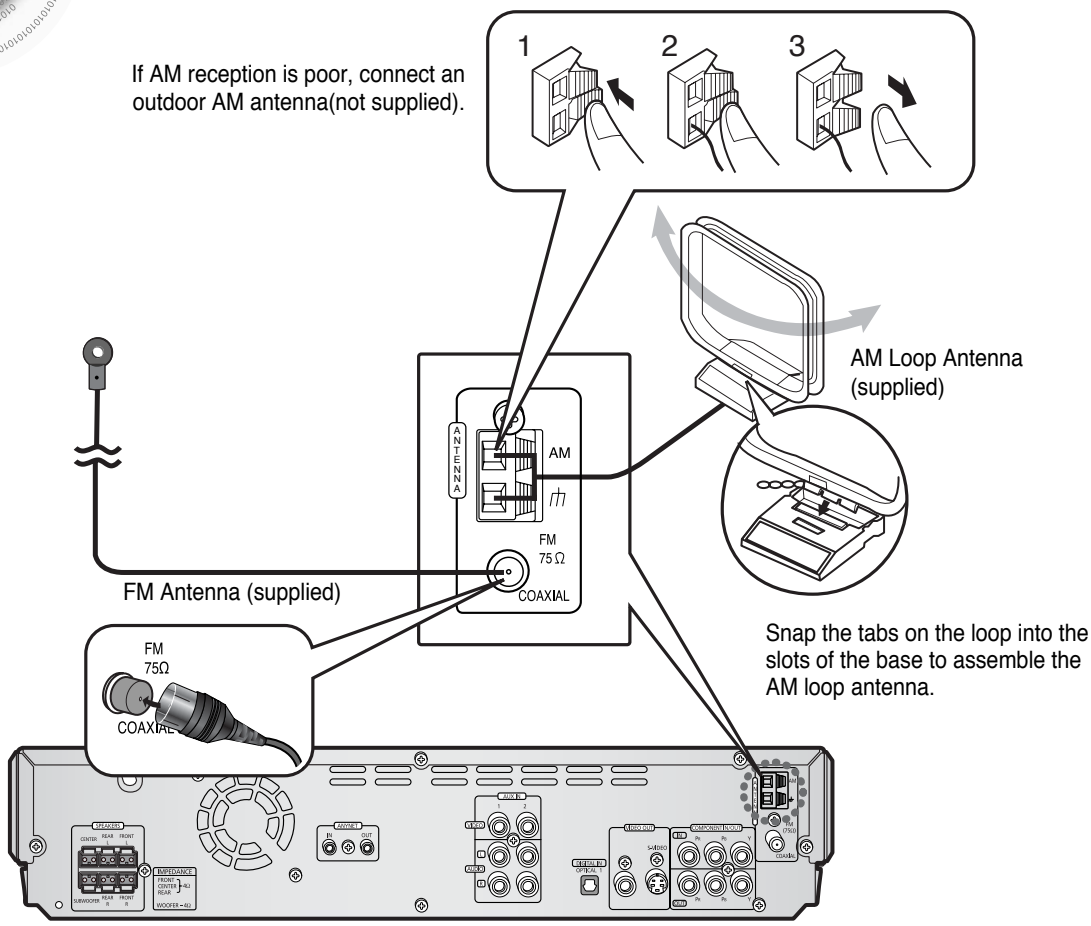
2 Connect the Anynet Out Terminal on the back of this unit to the Anynet input of Samsung external AV devices.

3 Refer to the user's manual of your Anynet-enabled TV and activate the Anynet function.

* This function is available only with Anynet-enabled TVs.

Caution • If the Anynet input and output terminals are reversed, communication with the TV will fail and you will not be able to use the Anynet function.

Connecting the FM and AM Antennas



FM antenna connection

1. **Connect the FM antenna supplied to the FM 75Ω COAXIAL terminal as a temporary measure.**
2. **Slowly move the antenna wire around until you find a location where reception is good, then fasten it to a wall or other rigid surface.**

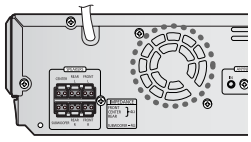
- If reception is poor, connect an outdoor antenna. Before attaching a 75Ω coaxial cable (with a standard type connector), disconnect the supplied FM antenna.

AM antenna connection

1. **Connect the AM loop antenna supplied to the AM and ⏚ terminals.**
2. **If reception is poor, connect an outdoor single vinyl-covered wire to the AM terminal. (Keep the AM loop antenna connected).**

Cooling Fan

The cooling fan dissipates the heat generated inside the unit so that the unit can be operated normally. The cooling fan is activated automatically to supply cool air to the unit.

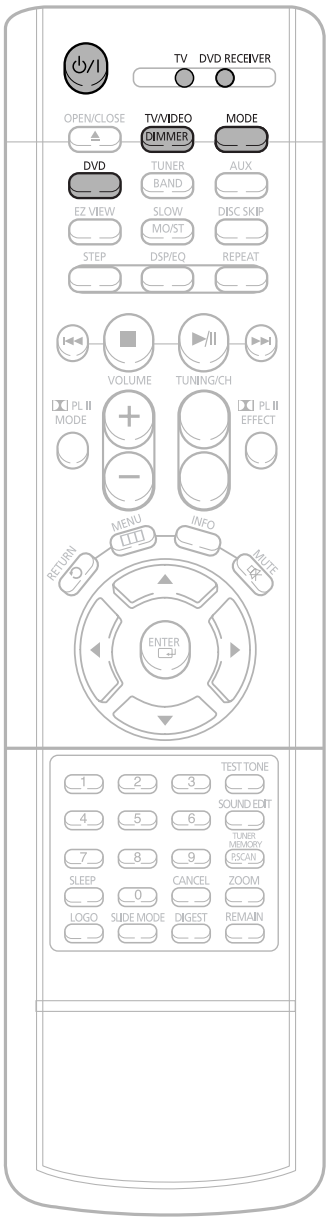


Please observe the following cautions for your safety.

- Make sure the unit is well-ventilated. If the unit has poor ventilation, the temperature inside the unit could rise and may damage it.
- Do not obstruct the cooling fan or ventilation holes. (If the cooling fan or ventilation holes are covered with a newspaper or cloth, heat may build up inside the unit and fire may result.)

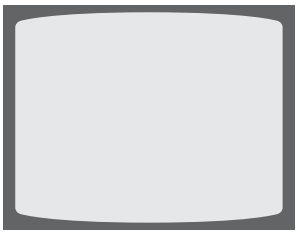
Before Using Your DVD Player

Your DVD player is capable of playing DVD, CD, MP3 and JPEG discs.Depending on the disc you are using, these instructions may vary slightly. Read the instructions carefully before using.

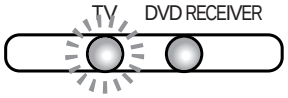


1 Plug the power cord into the AC power supply.

4 Press **TV/VIDEO** button to select VIDEO mode.

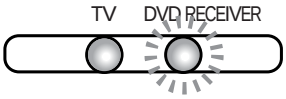


2 Press the **MODE** button so that the TV indicator on the remote control flashes.



3 Press the **POWER** button to turn on the TV.

5 Press the **MODE** button so that the DVD RECEIVER indicator on the remote control flashes.



6 Press **DVD** button to select DVD/CD mode.

To Operate the TV and DVD Player with a Single Remote Control

Press **MODE** button.

- Each time the Mode button is pressed, the TV indicator (red) and the DVD RECEIVER indicator (green) will flash alternately.
- You can operate the TV while the TV indicator is flashing and the DVD player while the DVD indicator is flashing.
- Buttons Enabled for TV Operation: POWER, CHANNEL, VOLUME, TV/VIDEO, and Numeric (0-9) buttons.
- By default, the remote control is set to work with Samsung TVs.
  See page 69 for more information on the operation of the remote control.

Disc Playback

1 Press **OPEN/CLOSE** button to open the disc tray.

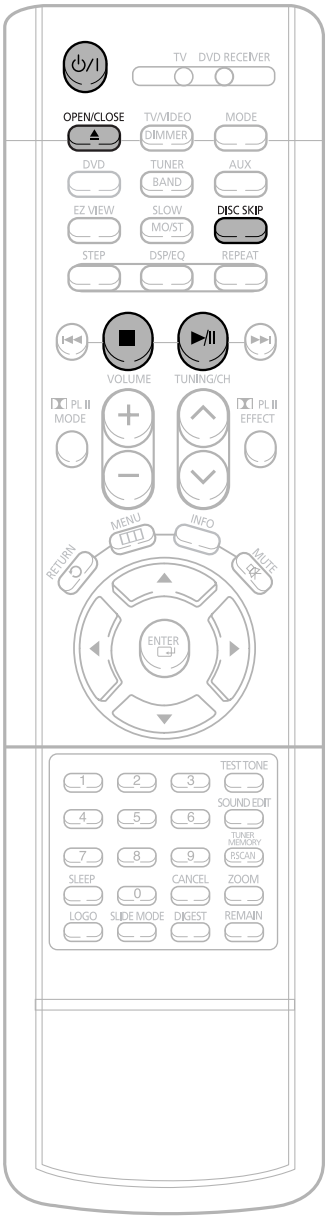
2 Load one or more discs.
- Place a disc gently into the tray with the disc's label facing up.

3 Press **DISC SKIP** button.
- Rotate the carousel tray so you can load the third, fourth, and fifth discs .

4 Close the compartment by pressing the **OPEN/CLOSE** button again.

DVD VCD CD

- Playback starts automatically.



To stop playback, press **STOP** during playback.

- If pressed once, "**PRESS PLAY**" is displayed and the stop position will be stored in memory. If **PLAY/PAUSE** (▶/II) button or **ENTER** button is pressed, playback resumes from the stop position. (This function works only with DVDs.)
- If pressed twice, "**STOP**" is displayed, and if **PLAY/PAUSE** (▶/II) button is pressed, playback starts from the beginning.

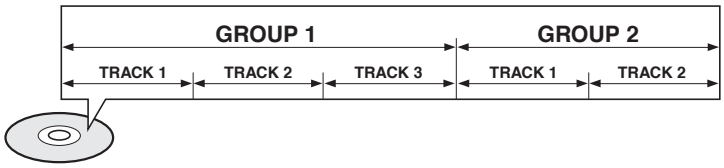
To temporarily pause playback, press **PLAY/PAUSE** during playback.

- To resume playback, press **PLAY/PAUSE** (▶/II) button again.

Disc terminology

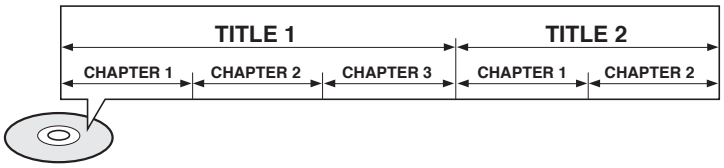
Groups and tracks (DVD-AUDIO)

• DVD-audio is divided into several large sections called "groups" and smaller sections called "tracks". Numbers are allotted to these sections.
These numbers are called "group numbers" and "track numbers".



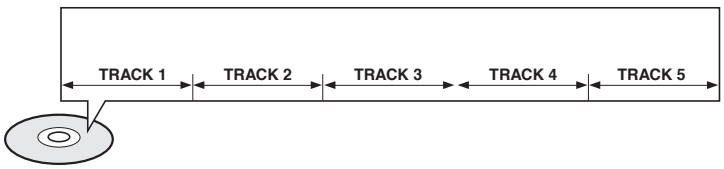
Titles and chapters (DVD-VIDEO)

• DVD-video is divided into several large sections called "titles" and smaller sections called "chapters". Numbers are allotted to these sections.
These numbers are called "title numbers" and "chapter numbers".



Tracks (Video and music CDs)

• Video and music CDs are divided into sections called "tracks".
Numbers are allotted to these sections. These numbers are called "track numbers".



Note

• In this manual, the instructions marked with "DVD (DVD)" are applicable to DVD-VIDEO, DVD-AUDIO, and DVD-R/RW discs.
Where a particular DVD type is mentioned, it is indicated separately.

• Depending on the content of the disc, the initial screen may appear different.

Selecting a Disc in the Disc changer

The DVD/CD function is automatically selected when Disc Skip is pushed.

To select a specific disc, press the corresponding **DIRECT PLAY (1, 2, 3, 4, 5)** buttons on the front panel or **DISC SKIP** on the remote control, until the required disc indicator flashes.

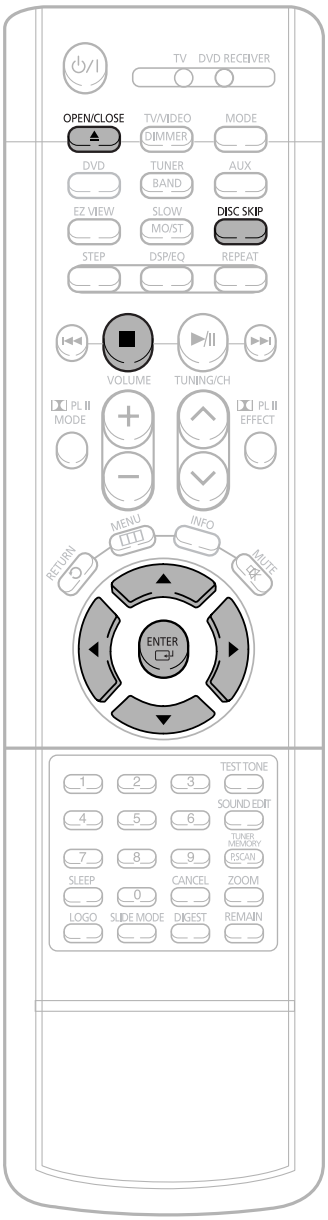
- All the discs will be played in turn, starting with the one selected.

If you wish to play the current disc only, press **REPEAT** on the front panel one or more times, until **REPEAT : DISC** is displayed.

If the disc selected is not loaded, the next disc is played automatically.

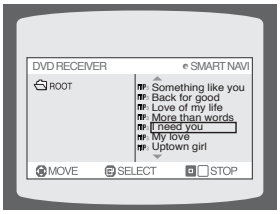
MP3-CD Playback

Data CDs (CD-R, CD-RW) encoded in MP3 format can be played.



1 Press the **OPEN/CLOSE** button to open the disc tray, and then load the MP3 disc.

- The MP3 menu screen will appear and playback will start.
- Depending on the MP3 disc, the appearance of the menu may be different.



2 In Stop mode, use ◀ ▶ ▲ ▼ to select the album, and then press the **ENTER** button.

3 To change the album, use ◀ ▶ ▲ ▼ to select another album in Stop mode, and then press the **ENTER** button.

- To select another album and track, repeat Steps 2 and 3 above.

4 Press the **STOP** button to stop playback.

Note

- Depending on the recording mode, some MP3-CDs may not play.
- Table of contents of a MP3-CD varies depending on the MP3 track format recorded on the disc.

OPERATION

JPEG File Playback

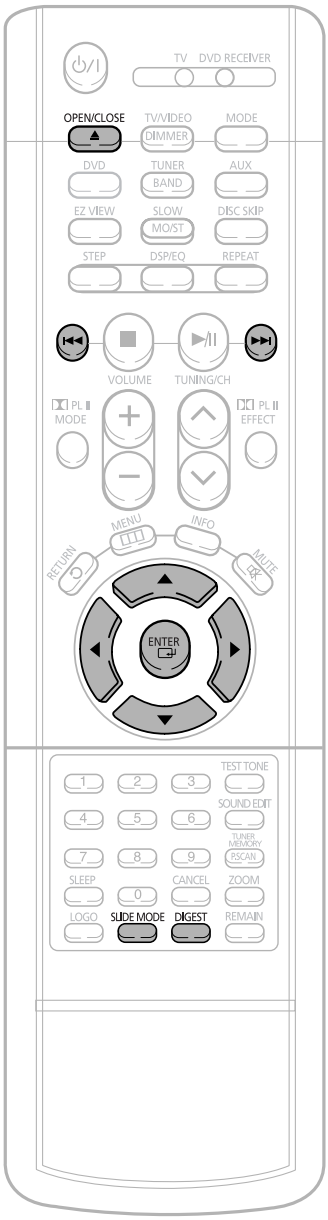
Images captured with a digital camera or camcorder, or JPEG files on a PC can be stored on a CD and then played back with this DVD player.

Slide Mode

1 Place the JPEG disc on the disc tray.

2 Press the **OPEN/CLOSE** button.

3 Press **SLIDE MODE** button.



- Each image is shown for 5 seconds before another image is displayed.
- Each time the button is pressed, the image makes the transition as follows:

SLIDE SHOW MODE : 1	From top to bottom
SLIDE SHOW MODE : 2	From bottom to top
• • •	
SLIDE SHOW MODE : 10	Rectangular shape in the center
SLIDE SHOW MODE : 11	Vertical curtain shape
SLIDE SHOW MODE : RAND	Each time a new image is displayed, slide modes (1~11) will be applied randomly and automatically.
SLIDE SHOW MODE : NONE	Cancels the slide mode.

Press ⏮ , ⏭ to skip to the next slide.

- Each time the button is pressed, the slide moves backward or forward.

Digest Function

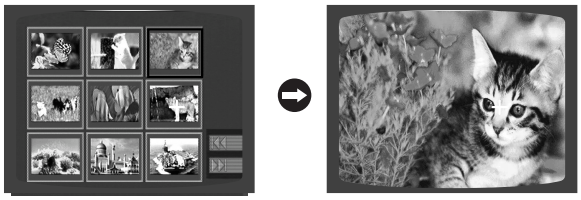
You can view 9 JPEG images on the TV screen.

1 Press **DIGEST** button during playback.

- JPEG files will be shown in 9 windows.

2 Press Cursor ▲, ▼, ◀, ▶ buttons to select the desired image and then press **ENTER** button.

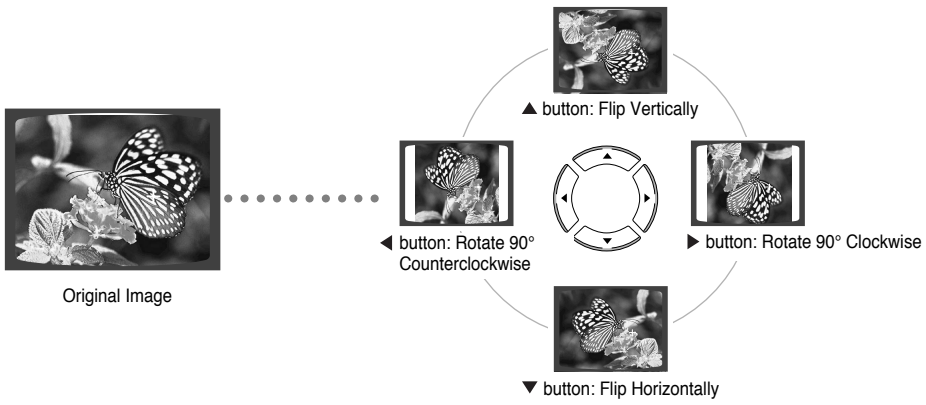
- The selected image is played for 5 seconds before moving to the next image.



To view the previous or next image with 9 windows, press ⏮ ⏭ .

Rotate/Flip Function

Press Cursor ▲, ▼, ◀, ▶ buttons during playback.


▲ button: Flip Vertically
◀ button: Rotate 90° Counterclockwise
▶ button: Rotate 90° Clockwise
▼ button: Flip Horizontally
Original Image

Displaying Disc Information

You can view disc playback information on the TV screen.

Press **INFO** button.

- Each time the button is pressed, the display changes as follows:

DVD

Display disappears

VCD **CD**

Display disappears

MP3 **JPEG**

Display disappears

- **appears on the TV screen!**

  If this symbol appears on the TV screen while buttons are being operated, that operation is not possible with the disc currently being played.

Note

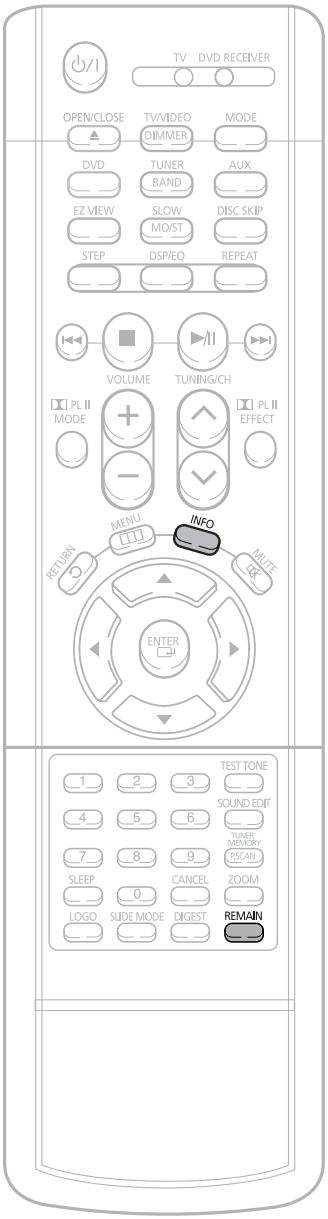
- Depending on the disc, the disc information display may appear different.
- Depending on the disc, you can also select DTS, DOLBY DIGITAL, or PRO LOGIC.

- **What is a Group?**
  A movie contained in a DVD-AUDIO disc.
- **What is a Title?**
  A movie contained in a DVD-VIDEO disc.
- **What is a Chapter?**
  Each title on a DVD disc is divided into several smaller sections called "chapters".
- **What is a Track (File)?**
  A section of video or a music file recorded on a DVD-AUDIO, CD, or MP3-CD.

Screen Display

DVD DVD display	DVD AUDIO DVD-AUDIO display	CHAPTER display	REPEAT PLAYBACK display	LR STEREO (L/R) display
VCD VCD display	TITLE display	TRACK (FILE) display	AUDIO LANGUAGE display	DOLBY DIGITAL DOLBY DIGITAL display
CD CD display	GROUP display	ELAPSED TIME display	SUBTITLE display	ANGLE display
MP3 MP3 CD display				

Checking the Remaining Time



Press the REMAIN button.

- For checking the total and remaining time of a title or chapter being played.

Each time the REMAIN button is pressed

DVD-VIDEO

TITLE ELAPSED → TITLE REMAIN → CHAPTER ELAPSED → CHAPTER REMAIN → (back to TITLE ELAPSED)

DVD-AUDIO

GROUP ELAPSED → GROUP REMAIN → TRACK ELAPSED → TRACK REMAIN → (back to GROUP ELAPSED)

VCD CD

TRACK ELAPSED → TRACK REMAIN → TOTAL ELAPSED → TOTAL REMAIN → (back to TRACK ELAPSED)

MP3

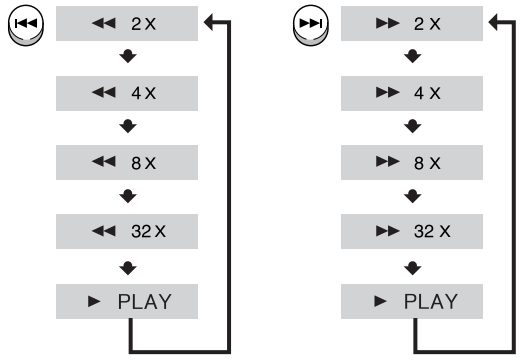
TRACK REMAIN → TRACK ELAPSED → (back to TRACK REMAIN)

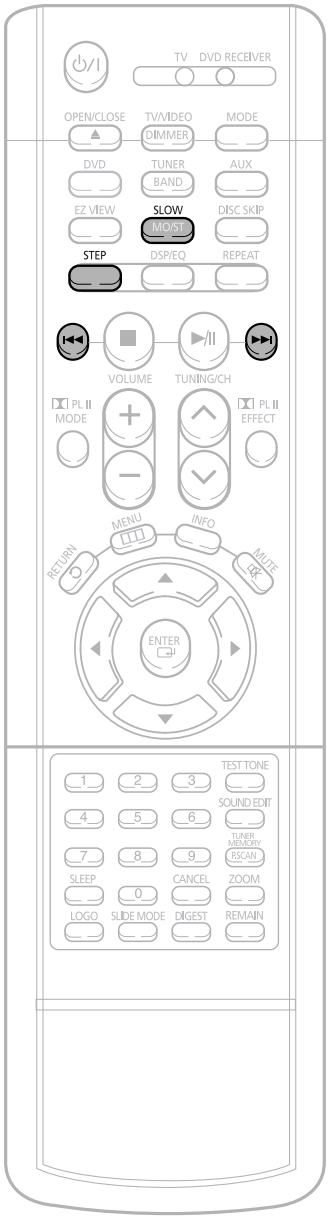
Fast/Slow Playback

Fast Playback DVD VCD CD MP3

Press and hold ⏮, ⏭.

- Each time the button is held down during playback, the playback speed changes as follows:

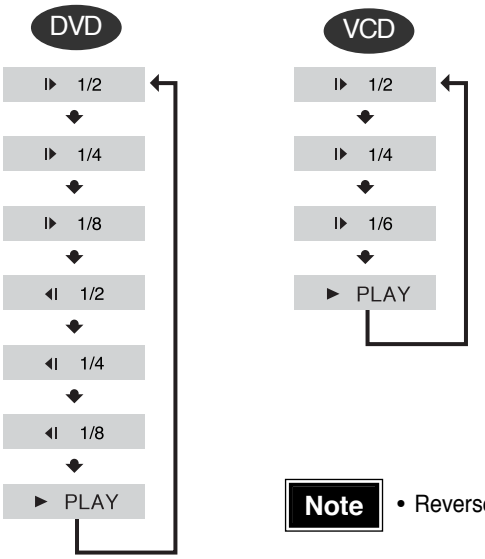




Slow Playback

Press **SLOW** button.

- Each time the button is pressed during playback, the playback speed changes as follows:



Note • Reverse slow playback does not work with VCDs.

Skipping Scenes/Songs

DVD VCD MP3

Briefly press ⏮ ⏭.

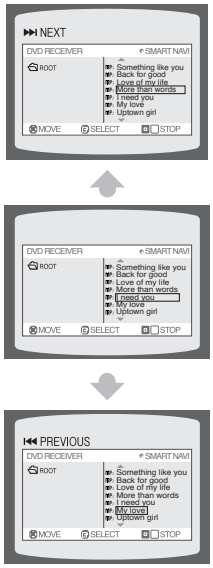
- Each time the button is pressed briefly during playback, the previous or next chapter, track, or directory (file) will be played.

DVD

VCD

- When watching a VCD with a track longer than 15 minutes, each time ⏮ ⏭ is pressed, playback will skip back or forward 5 minutes.

MP3



Playing Frame by Frame DVD

Press **STEP** button.

- The picture moves forward one frame each time the button is pressed during playback.

Note

- During fast playback of a CD or MP3-CD, sound is heard only at 2x speed, and not at 4x, 8x, and 32x speeds.
- No sound is heard during slow playback and step motion playback.

Repeat Playback

Repeat playback allows you to repeatedly play a chapter, title, track (song), or directory (MP3 file).

DVD VCD CD MP3 JPEG

Press **REPEAT** button.

- Each time the button is pressed during playback, the repeat playback mode changes as follows:

DVD-VIDEO

REPEAT : CHAPTER → REPEAT : TITLE → REPEAT : OFF → REPEAT : CHAPTER

DVD-AUDIO

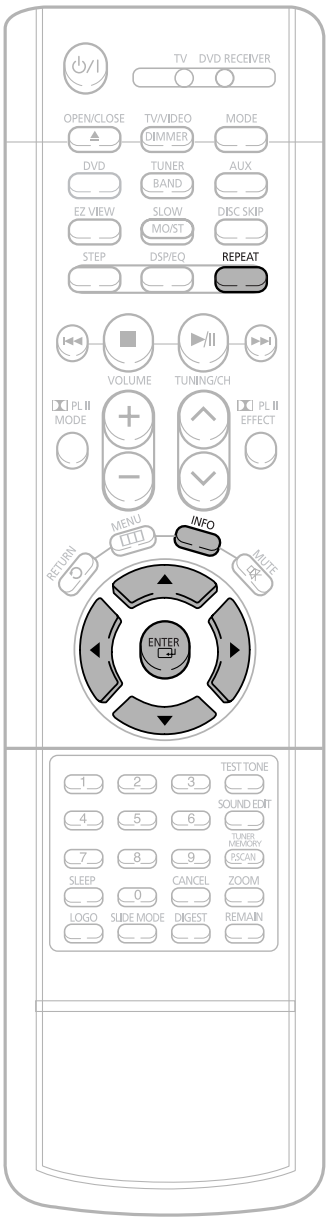
REPEAT : TRACK → REPEAT : GROUP → REPEAT : OFF → REPEAT : TRACK

MP3 JPEG

REPEAT : RANDOM → REPEAT : TRACK → REPEAT : DIR → REPEAT : DISC → REPEAT : OFF → REPEAT : RANDOM

VCD CD

REPEAT : TRACK → REPEAT : DISC → REPEAT : OFF → REPEAT : TRACK



To Select a Repeat Playback Mode in the Disc Information Screen

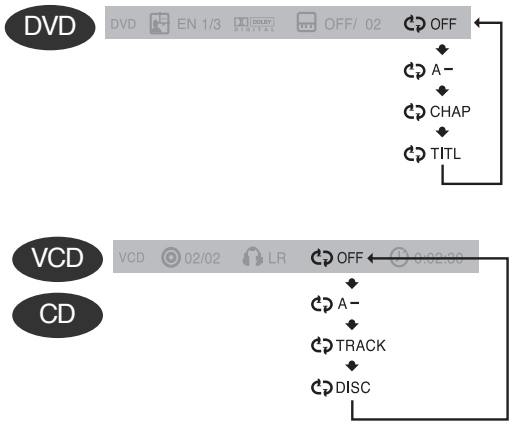
1 Press **INFO** button twice.

2 Press Cursor ▶ button to move to REPEAT PLAYBACK( ) display.

3 Press Cursor ▼ button to select the desired Repeat Playback mode.

4 Press **ENTER** button.

* For MP3 and JPEG discs, you cannot select Repeat Play from the information display screen.



OPERATION

Repeat Playback Options

- **CHAPTER :** Repeatedly plays the selected chapter.
- **TITLE** : Repeatedly plays the selected title.
- **GROUP** : Repeatedly plays the selected group.
- **RANDOM** : Plays tracks in random order.
  (A track that has already been played may be played again.)
- **TRACK** : Repeatedly plays the selected track.
- **DIR** : Repeatedly plays all tracks in the selected folder.
- **DISC** : Repeatedly plays the entire disc.
- **OFF** : Cancels Repeat Playback.

Note

- Repeat playback operation is not possible with version 2.0 VCD discs if PBC is turned on. To use Repeat Playback on a VCD with PBC, you should set the PBC to OFF in the disc menu. (See page 39.)

A-B Repeat Playback

DVD VCD CD

1 Press **INFO** button twice.

- For a VCD or CD, press **INFO** button once.

DVD EN 1/3 OFF/ 02 OFF

2 Press Cursor ▶ button to move to REPEAT PLAYBACK (↻) display.

DVD EN 1/3 OFF/ 02 OFF

3 Press Cursor ▲, ▼ buttons to select 'A-' and then press **ENTER** button at the beginning of the desired segment.

- When **ENTER** button is pressed, the selected position will be stored in memory.

DVD EN 1/3 OFF/ 02 A-

DVD EN 1/3 OFF/ 02 A-?

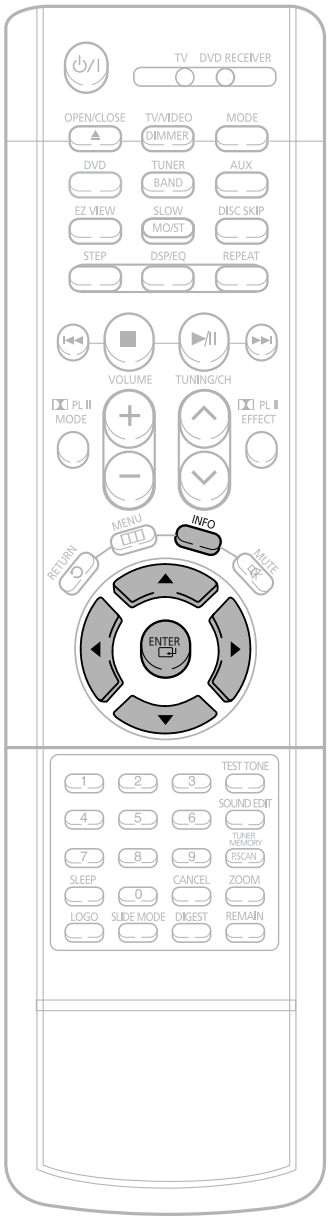
REPEAT : A—

4 Press **ENTER** button at the end of the desired segment.

- The specified segment will be played repeatedly.

DVD EN 1/3 OFF/ 02 A-B

REPEAT : A—B



To return to normal playback, press Cursor ▲, ▼ buttons to select ↻ OFF.

Note

- The A-B Repeat function will not work on an MP3 or JPEG disc.

Angle Function

This function allows you to view the same scene in different angles.

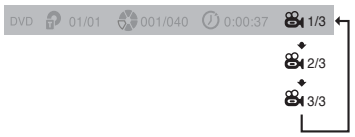
DVD

1 Press **INFO** button.

2 Press Cursor ▶ button to move to ANGLE (🎥) display.

3 Press Cursor ▲ , ▼ or numeric buttons to select the desired angle.

• Each time the button is pressed, the angle changes as follows:



Note • The Angle function works only with discs on which multiple angles have been recorded.

OPERATION

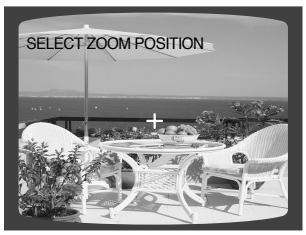
Zoom Function

This function allows you to enlarge a particular area of the displayed image.

Zoom (Screen Enlarge) Function

DVD VCD

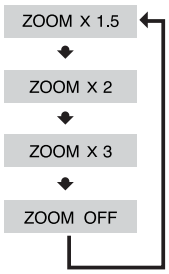
1 Press **ZOOM** button.



2 Press Cursor ▲, ▼, ◀, ▶ buttons to move to the area you want to enlarge.

3 Press **ENTER** button.

- Each time the button is pressed, the zoom level changes as follows:



Aspect Ratio

DVD

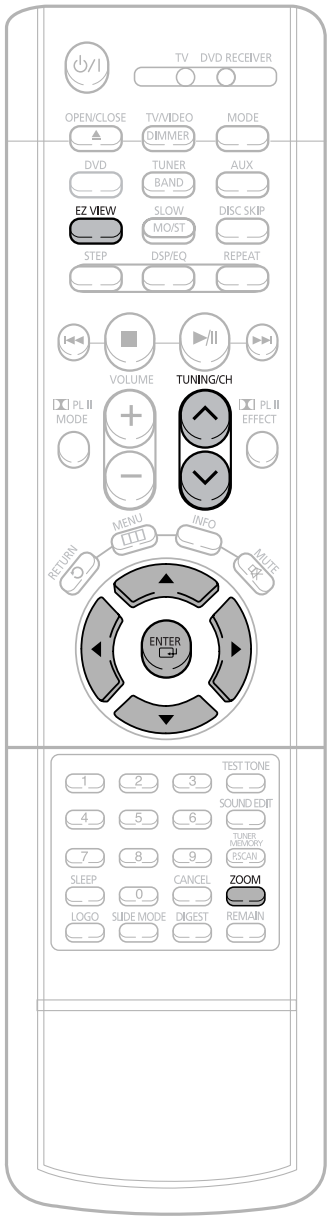
Press **EZ VIEW** button.

- Each time the button is pressed, the zoom function will switch between On and Off.
- When a movie is played in Widescreen format, black bars at the top and bottom of the TV screen can be removed by pressing the **EZ VIEW** button.

Note

- This function will not work if the DVD is recorded with multi-camera angle format.
- Black bars may not disappear because some DVD discs have a built-in horizontal to vertical ratio.

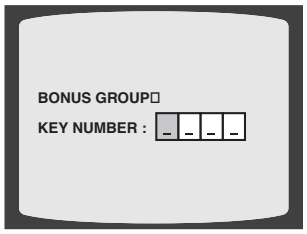
Bonus Group / Navigating Pages



Bonus Group DVD-AUDIO

Some DVD-Audio discs have an extra 'bonus' group that requires a 4-digit key number to access. See the disc packaging for details and the-key number.

When you play a DVD-Audio disc that has a bonus group, the key number input screen appears automatically.



Note

- If you eject the disc, switch the power off, or unplug the player, you will need to re-enter the key number.

Navigating Pages DVD-AUDIO

During playback, press the TUNING/CH button on the remote control.

- You can select the desired image from a DVD-Audio disc containing still images.
- With some discs, you may not be able to select images depending on how the disc was manufactured.

OPERATION

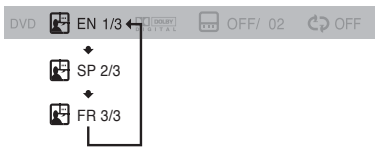
Selecting Audio/Subtitle Language

Audio Language Selection Function DVD

1 Press **INFO** button twice.

2 Press Cursor ▲, ▼ buttons or numeric buttons to select the desired audio language.

- Depending on the number of languages on a DVD disc, a different audio language (ENGLISH, SPANISH, FRENCH, etc.) is selected each time the button is pressed.

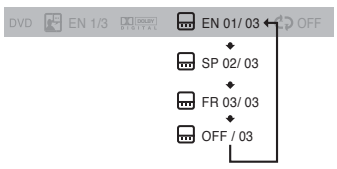


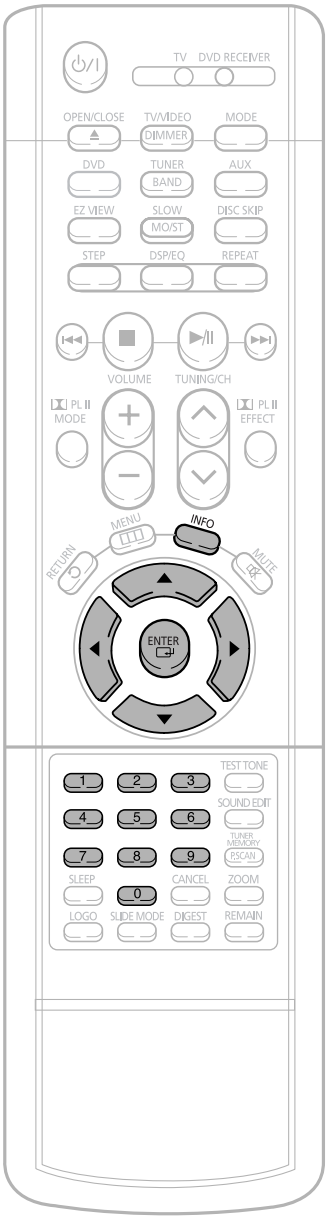
Subtitle Language Selection Function DVD

1 Press **INFO** button twice.

2 Press Cursor ▶ button to move to SUBTITLE ( ) display.

3 Press Cursor ▼ button or numeric buttons to select the desired subtitle.





Note

- Depending on the disc, the Subtitle and Audio Language functions may not work.

Moving Directly to a Scene/Song

DVD VCD CD

Moving to a Title/Track

1 Press **INFO** button.

DVD 01/05 001/040 0:00:37 1/1

2 Press Cursor ▲,▼ buttons or numeric buttons to select the desired title/track and then press **ENTER** button.

DVD 03/05 001/002 0:00:01 1/1

Moving to a Chapter

3 Press Cursor ◀, ▶ buttons to move to Chapter ( ) display.

DVD 01/05 001/040 0:00:01 1/1

Moving to a Chapter

4 Press Cursor ▲ ,▼ buttons or numeric buttons to select the desired chapter and then press **ENTER** button.

DVD 01/05 025/040 0:00:01 1/1

Moving to a Specific Time

5 Press Cursor ◀ ,▶ buttons to move to time display.

DVD 01/05 025/040 1:17:30 1/1

Moving to a Specific Time

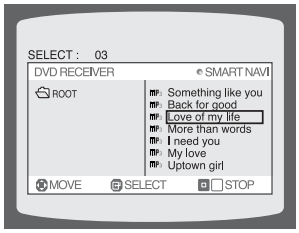
6 Press the numeric buttons to select the desired time and then press **ENTER** button.

DVD 01/05 028/040 1:30:00 1/1

MP3 JPEG

Press the **numeric** buttons.

- The selected file will be played.
- An MP3 or JPEG disc cannot be moved from the disc information screen.
- When playing an MP3 or JPEG disc, you cannot use ▲,▼ to move a folder. To move a folder, press ■ (Stop) and then press ▲,▼ .



Note

- You can press ⏮ ⏭ on the remote control to move directly to the desired title, chapter, or track.
- Depending on the disc, you may not be able to move to the selected title or time.

OPERATION

Using Disc Menu

You can use the menus for the audio language, subtitle language, profile, etc.
DVD menu contents differ from disc to disc.

DVD

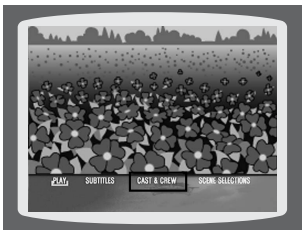
1 In Stop mode, press **MENU** button.

- When playing a VCD (version 2.), this toggles between PBC ON and OFF.

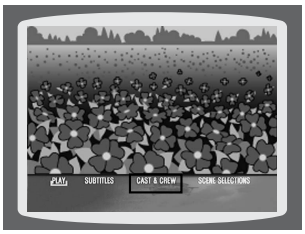
2 Press Cursor ▲,▼ buttons to move to 'DISC MENU' and then press **ENTER** button.

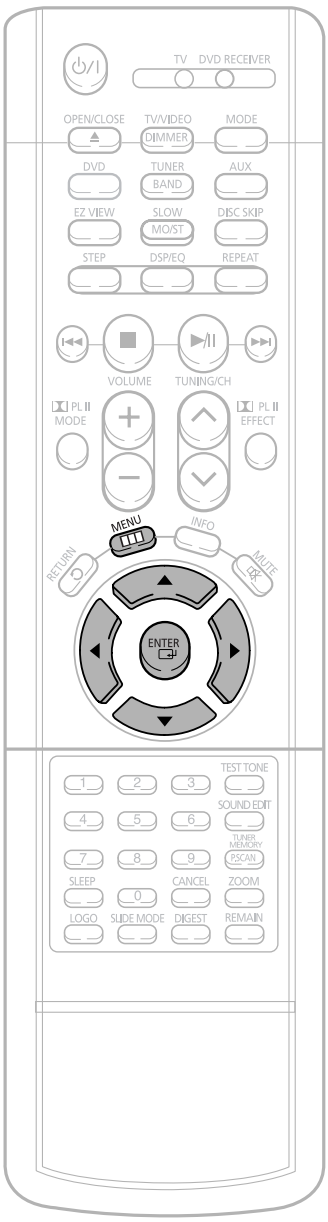
- When you select the disc menu that is not supported by the disc, the "**This menu is not supported**" message appears on the screen.

3 Press Cursor ▲,▼, ◄,► buttons to select the desired item.



4 Press **ENTER** button.





Note **PBC (Playback Control) Function**

Press the MENU button while VCD 2.0 version disk is played.
Each time you press the button, "**PBC ON**" and "**PBC OFF**" will be repetitively selected in the display.

- **PBC ON:** This VCD disc is version 2.0. The disc is played back according to the menu screen. Some functions may be disabled. When some functions are disabled, select "PBC OFF" to enable them.
- **PBC OFF:** This VCD disc is version 1.1. The disc is played back in the same way as with a music CD.

Using the Title Menu

For DVDs containing multiple titles, you can view the title of each movie.
Depending on the disc, this function may either not work at all or may work differently.

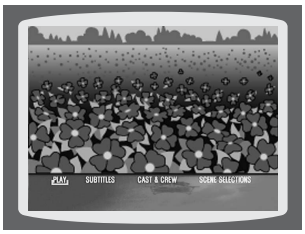
DVD

1 In Stop mode, press **MENU** button.

2 Press Cursor ▲,▼ button to move to 'Title Menu'.

3 Press **ENTER** button.

- The title menu appears.



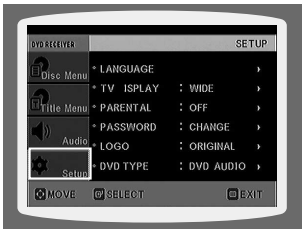
Press **MENU** button to exit the setup screen.

Setting the Language

OSD language is set to English by default.

1 In Stop mode, press **MENU** button.

2 Press Cursor ▼ button to move to 'Setup' and then press **ENTER** button.



3 Press **ENTER** button.

4 Press Cursor ▲,▼ button to select the desired item and then press **ENTER** button.

5 Press Cursor ▲,▼ button to select the desired language and then press **ENTER** button.

- Once the setup is complete, if the language was set to English, OSD will be displayed in English.

Note

- To select other language, select OTHER and enter the language code of your country.
  (See 42 page for language code of countries)
  AUDIO, SUB TITLE and DISC MENU language can be selected.

Selecting the OSD Language

Selecting the Audio Language (recorded on the disc)

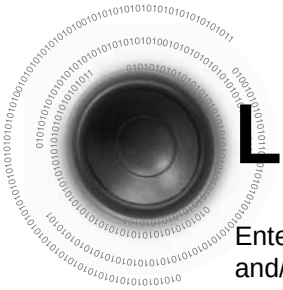
Selecting the Subtitle Language (recorded on the disc)

Selecting the Menu Language (recorded on the disc)

* If the language you selected is not recorded on the disc, menu language will not change even if you set it to your desired language.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.



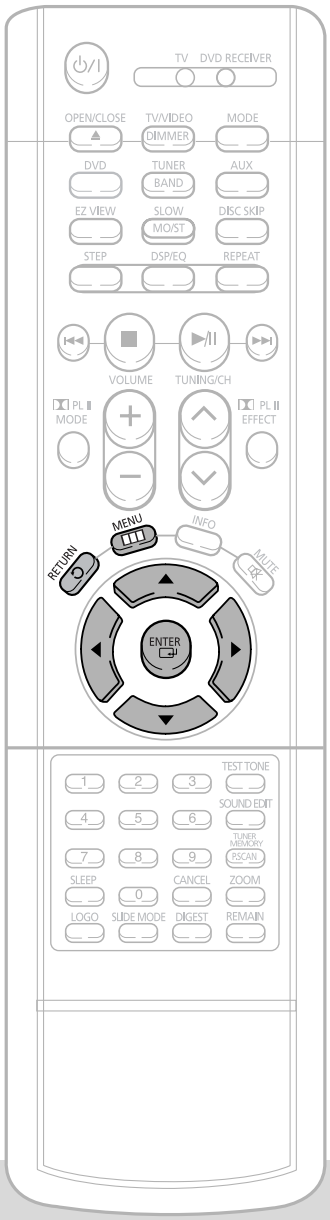
Language Code List

Enter the appropriate code number for the initial settings “Disc Audio”, “Disc Subtitle” and/or “Disc Menu” (See page 41).

Code	Language	Code	Language	Code	Language	Code	Language
1027	Afar	1181	Frisian	1334	Latvian, Lettish	1506	Slovenian
1028	Abkhazian	1183	Irish	1345	Malagasy	1507	Samoan
1032	Afrikaans	1186	Scots Gaelic	1347	Maori	1508	Shona
1039	Amharic	1194	Galician	1349	Macedonian	1509	Somali
1044	Arabic	1196	Guarani	1350	Malayalam	1511	Albanian
1045	Assamese	1203	Gujarati	1352	Mongolian	1512	Serbian
1051	Aymara	1209	Hausa	1353	Moldavian	1513	Siswati
1052	Azerbaijani	1217	Hindi	1356	Marathi	1514	Sesotho
1053	Bashkir	1226	Croatian	1357	Malay	1515	Sundanese
1057	Byelorussian	1229	Hungarian	1358	Maltese	1516	Swedish
1059	Bulgarian	1233	Armenian	1363	Burmese	1517	Swahili
1060	Bihari	1235	Interlingua	1365	Nauru	1521	Tamil
1069	Bislama	1239	Interlingue	1369	Nepali	1525	Tegulu
1066	Bengali; Bangla	1245	Inupiak	1376	Dutch	1527	Tajik
1067	Tibetan	1248	Indonesian	1379	Norwegian	1528	Thai
1070	Breton	1253	Icelandic	1393	Occitan	1529	Tigrinya
1079	Catalan	1254	Italian	1403	(Afan) Oromo	1531	Turkmen
1093	Corsican	1257	Hebrew	1408	Oriya	1532	Tagalog
1097	Czech	1261	Japanese	1417	Punjabi	1534	Setswana
1103	Welsh	1269	Yiddish	1428	Polish	1535	Tonga
1105	Danish	1283	Javanese	1435	Pashto, Pushto	1538	Turkish
1109	German	1287	Georgian	1436	Portuguese	1539	Tsonga
1130	Bhutani	1297	Kazakh	1463	Quechua	1540	Tatar
1142	Greek	1298	Greenlandic	1481	Rhaeto-Romance	1543	Twi
1144	English	1299	Cambodian	1482	Kirundi	1557	Ukrainian
1145	Esperanto	1300	Kannada	1483	Romanian	1564	Urdu
1149	Spanish	1301	Korean	1489	Russian	1572	Uzbek
1150	Estonian	1305	Kashmiri	1491	Kinyarwanda	1581	Vietnamese
1151	Basque	1307	Kurdish	1495	Sanskrit	1587	Volapuk
1157	Persian	1311	Kirghiz	1498	Sindhi	1613	Wolof
1165	Finnish	1313	Latin	1501	Sangro	1632	Xhosa
1166	Fiji	1326	Lingala	1502	Serbo-Croatian	1665	Yoruba
1171	Faeroese	1327	Laothian	1503	Singhalese	1684	Chinese
1174	French	1332	Lithuanian	1505	Slovak	1697	Zulu

Setting TV Screen type

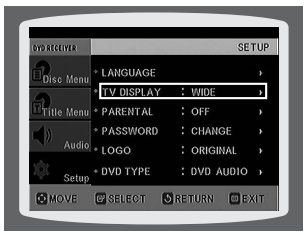
Depending on your TV type (Wide Screen TV or conventional 4:3 TV), you can select the TV's aspect ratio.



1 In Stop mode, press **MENU** button.

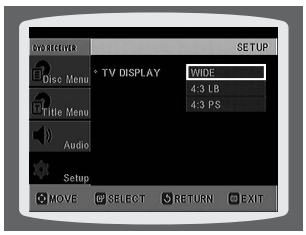
2 Press Cursor ▼ button to move to 'Setup' and then press **ENTER** button.

3 Press Cursor ▼ button to move to 'TV DISPLAY' and then press **ENTER** button.



4 Press Cursor ▲,▼ button to select the desired item and then press **ENTER** button.

- Once the setup is complete, you will be taken to the previous screen.



Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Adjusting the TV Aspect Ratio (Screen Size)

The horizontal to vertical screen size ratio of conventional TVs is 4:3, while that of wide screen and high definition TVs is 16:9. This ratio is called the aspect ratio. When playing DVDs recorded in different screen sizes, you should adjust the aspect ratio to fit your TV or monitor.

✶ For a standard TV, select either "4:3LB" or "4:3PS" option according to personal preference. Select "16:9" if you have a widescreen TV.

WIDE : Select this to view a 16:9 picture in the full-screen mode on your widescreen TV.
•You can enjoy the widescreen aspect.

4:3LB (4:3 Letterbox) : Select this to play a 16:9 picture in the letter box mode on a conventional TV.
•Black bars will appear at the top and bottom of the screen.

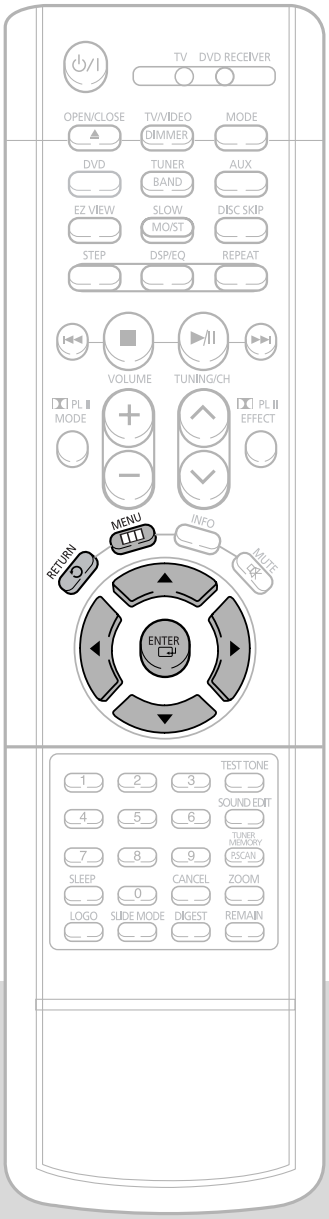
4:3PS (4:3 Pan&Scan) : Select this to play a 16:9 picture in the pan & scan mode on a conventional TV.
•You can see the central portion of the screen only (with the sides of the 16:9 picture cut off).

Note

- If a DVD is in the 4:3 ratio, you cannot view it in widescreen.
- Since DVD discs are recorded in various image formats, they will look different depending on the software, the type of TV, and the TV aspect ratio setting.

Setting Parental Controls (Rating Level)

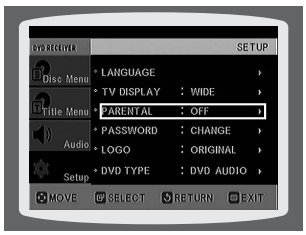
Use this to restrict playback of adult or violent DVDs you do not want children to view.



1 In Stop mode, press **MENU** button.

2 Press Cursor ▼ button to move to 'Setup' and then press **ENTER** button.

3 Press Cursor ▼ button to move to 'PARENTAL' and then press **ENTER** button.

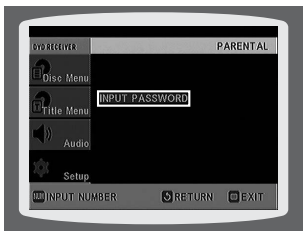


4 Press Cursor ▲,▼ buttons to select the desired rating level and then press **ENTER** button.

- If you have selected Level 6, you cannot view DVDs with Level 7 or higher.
- The higher the level, the closer the content is to violent or adult material.

5 Enter the password and then press **ENTER** button.

- The password is set to "7890" by default.
- Once the setup is complete, you will be taken to the previous screen.



Note • This function works only if a DVD disc contains rating level information.

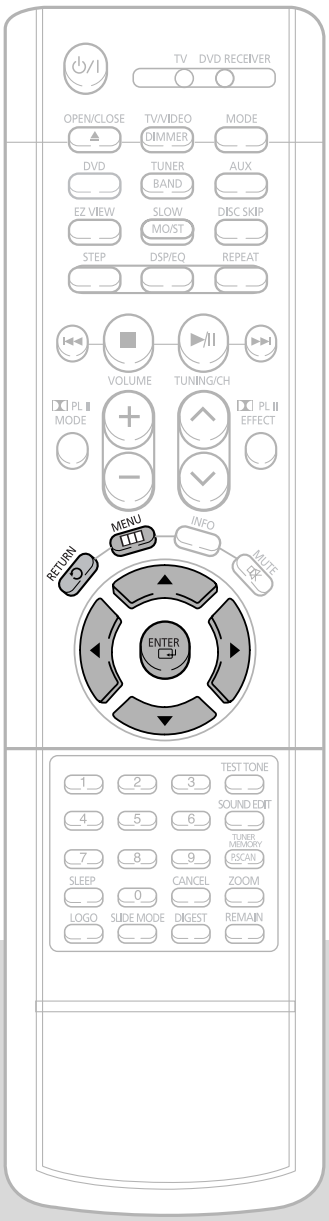
SETUP

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Setting the Password

You can set the password for the Parental (rating level) setting.

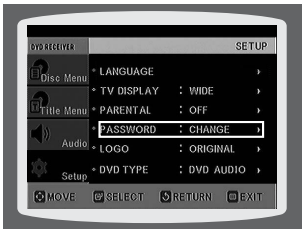


1 Press **MENU** button.

2 Press Cursor ▼ button to move to 'Setup' and then press **ENTER** button.

Note • The password is set to "7890" by default.

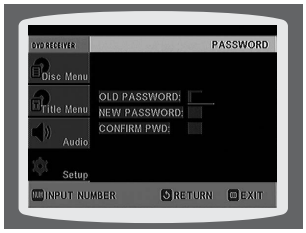
3 Press Cursor ▼ button to move to 'PASSWORD' and then press **ENTER** button.



4 Press **ENTER** button.

5 Enter the password and then press **ENTER** button.

- Enter the old password, a new password, and confirm new password.
- The setting is complete.



Press **RETURN** button to return to the previous level.

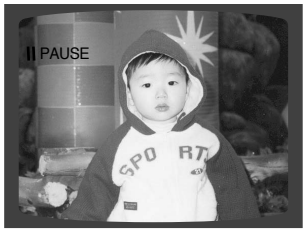
Press **MENU** button to exit the setup screen.

Setting the Wallpaper JPEG VCD DVD

While watching a DVD, VCD or JPEG CD, you can set the image you like as background wallpaper.

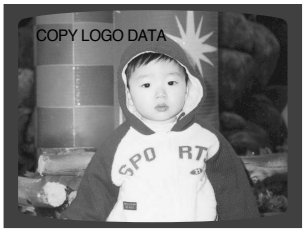
Setting the Wallpaper

1 During playback, press **PLAY/PAUSE** button when an image you like appears.



2 Press **LOGO** button.

- "**COPY LOGO DATA**" will be displayed on the TV screen.

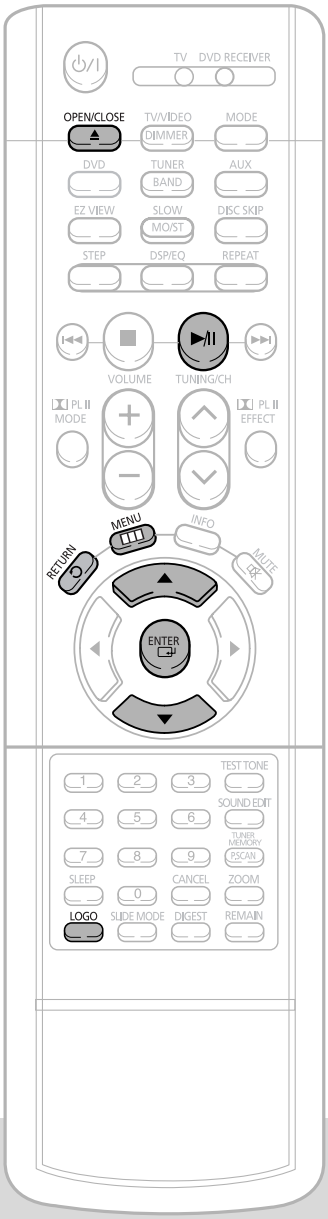


3 The power will turn off and then back on and the disc tray will open automatically.

- The selected wallpaper will be displayed.

4 Press **OPEN/CLOSE** to close the disc tray.

- You can repeat Steps 1 and 2 to set up to 3 wallpapers.



Select this to set the Samsung Logo image as your wallpaper.

Select this to set the desired image as your wallpaper.

To Change the Wallpaper

1 In Stop mode, press **MENU** button.

2 Press Cursor ▼ button to move to 'Setup' and then press **ENTER** button.

3 Press Cursor ▼ button to move to 'LOGO' and then press **ENTER** button.

4 Press ▼ to select the desired 'USER', and then press **ENTER**.

5 Press **MENU** button to exit the setup screen.

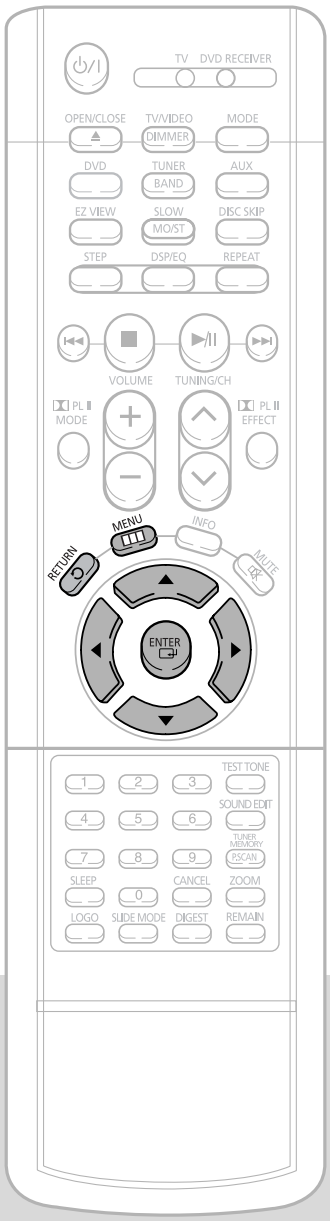
SETUP

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

DVD Playback Mode

Some DVD-Audio discs contain DVD-Video as well as DVD-Audio.
To play back the DVD-Video portion of the DVD-Audio disc, set the unit to DVD-Video mode.



1 Press the **MENU** button while the disc tray is open.

2 Press Cursor ▼ button to move to 'Setup' and then press **ENTER** button.

3 Press Cursor ▼ button to move to 'DVD TYPE' and then press **ENTER** button.

4 Press Cursor ▲,▼ button to move to 'DVD VIDEO' and then press **ENTER** button.

- Set steps 1 ~ 4 again if you want to switch to DVD AUDIO Play mode.

When Selecting DVD Play Mode:

- **DVD VIDEO** : set to play the DVD video contents contained in DVD audio disc.
- **DVD AUDIO** : set to play the default DVD audio.

Note

- DVD Play mode is set to DVD Audio as factory default setting.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

AV SYNC Setup

Video may look slower than the audio if it is connected with digital TV.
In this case, adjust the delay time of audio to optimal status to fit the video.

1 Press the **MENU** button.

- Setup menu appears.

2 Press Cursor ▲, ▼ buttons to move to 'Audio' and then press **ENTER** button.

- 'Audio' menu appears.

3 Press Cursor ▲, ▼ buttons to move to 'AV-SYNC' and then press **ENTER** button.

- AV-SYNC screen appears.

4 Press Cursor ▲,▼ buttons to select the Delay Time of AV-SYNC and then press the **ENTER** button.

- You can set the audio delay time between 0 ms and 300 ms. Set it to the optimal status.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

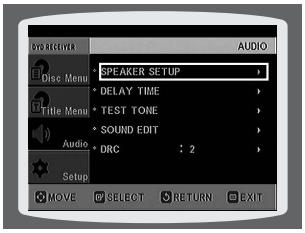
Setting the Speaker Mode

Signal outputs and frequency responses from the speakers will automatically be adjusted according to your speaker configuration and whether certain speakers are used or not.

1 In Stop mode, press **MENU** button.

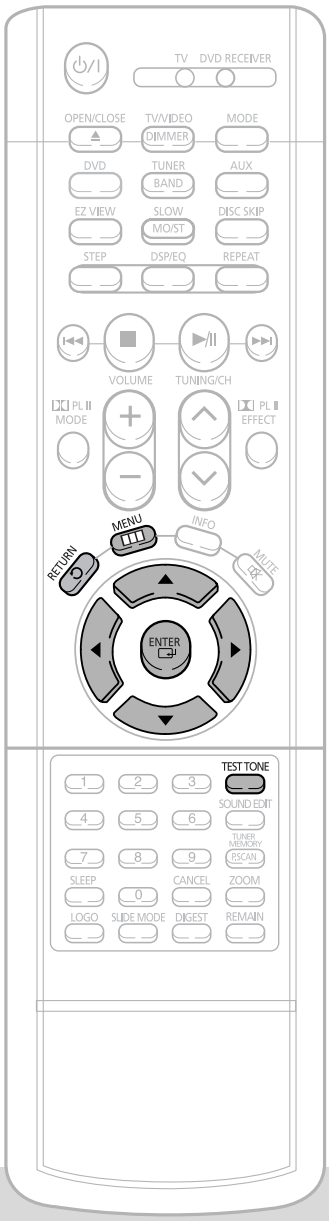
2 Press Cursor ▼ button to move to 'Audio' and then press **ENTER** button.

3 In the Speaker Setup, press the **ENTER** button again.



4 Press Cursor ▲, ▼, ◀ , ▶ buttons to move to the desired speaker and then press **ENTER** button.

- For C, LS, and RS, each time the button is pressed, the mode switches alternately as follows: SMALL → NONE.
- For L and R, the mode is set to SMALL.



SMALL : Select this when using the speakers.
NONE : Select this when no speakers are installed.

Note

- Depending on PRO LOGIC and STEREO, the speaker mode may vary.

Setting the Test Tone

Use the Test Tone feature to check the speaker connections and to adjust the speaker levels.

1 In Stop mode, press **MENU** button.

2 Press Cursor ▼ button to move to 'Audio' and then press **ENTER** button.

3 Press Cursor ▼ button to move to 'TEST TONE' and then press **ENTER** button.

- The test tone will be sent to L → C → R → RS → LS → SW in that order. If the ENTER button is pressed again at this time, the test tone will stop.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

SETUP

Alternate method: press the **TEST TONE** button on the remote.

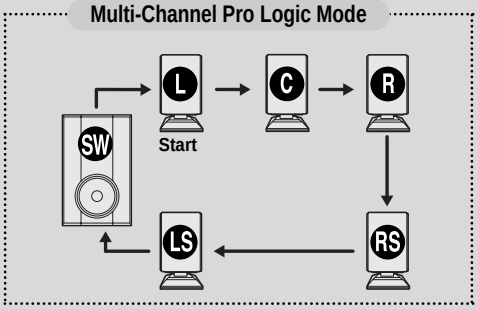
L: Front Speaker (L) C: Center Speaker SW: Subwoofer
R: Front Speaker (R) LS: Rear Speaker (L) RS: Rear Speaker (R)

Press **TEST TONE** button.

- Test tone will be produced as follows: When playing a DVD or CD, this will work only in Stop mode.
- Use this function to check that each speaker is correctly connected and that there is no problem.

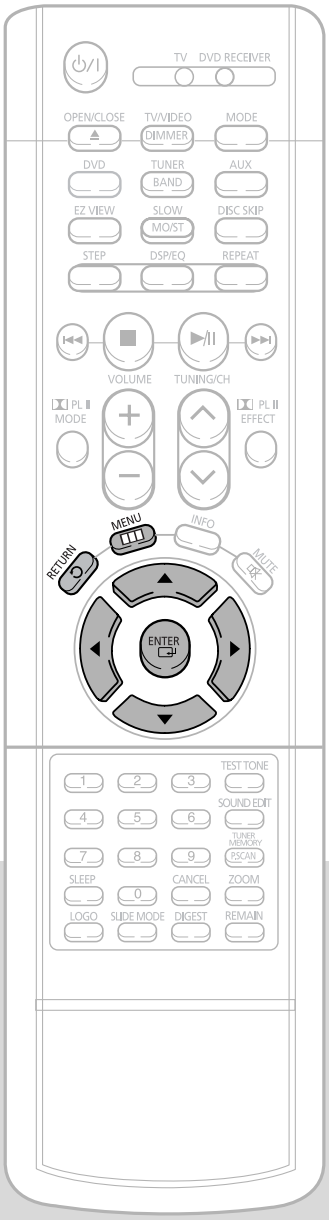
To end the test tone, press **TEST TONE** button again.

Multi-Channel Pro Logic Mode



Setting the Delay Time

If the speakers cannot be placed at equal distances from the listening position, you can adjust the delay time of the audio signals from the center and rear speakers.



1 In Stop mode, press **MENU** button.

2 Press Cursor ▼ button to move to 'Audio' and then press **ENTER** button.

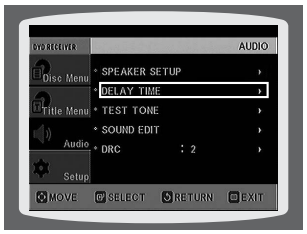
Setting up the Speaker Delay Time

When 5.1CH Surround Sound is played, you can enjoy the best sound if the distance between you and each speaker is the same. Since the sounds arrive at the listening position at different times depending on the placement of speakers, you can adjust this difference by adding a delay effect to the sound of the Center and Surround Speakers.

Note

- With DIPL (Dolby Pro Logic II), the delay time may be different for each mode.
- With AC-3 and DTS, the delay time can be set between 00 and 15mSEC.

3 Press Cursor ▼ button to move to 'DELAY TIME' and then press **ENTER** button.



4 Press Cursor ▲, ▼, ◀, ▶ buttons to move to the desired speaker and then press **ENTER** button.

5 Press Cursor ▲,▼ to set the Delay time.

- You can set the delay time for C between 00 and 05mSEC and for LS and RS between 00 and 15mSEC.

SETUP

- **Setting CENTER SPEAKER**

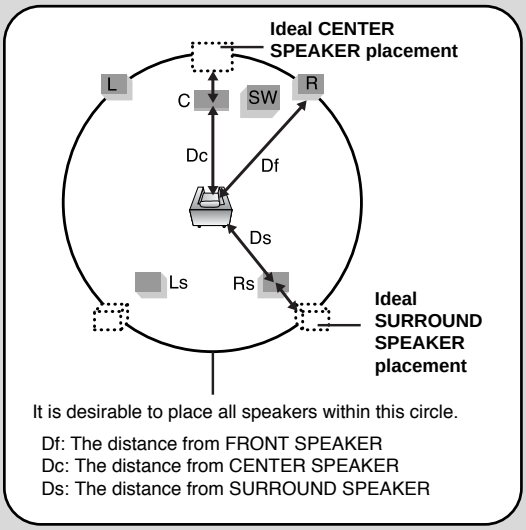
If the distance of Dc is equal to or longer than the distance of Df in the figure, set the mode as 0ms. Otherwise, change the setting according to the table.

Distance between Df and Dc	Delay Time
0 inch	0 ms
13.6 inches	1 ms
27.2 inches	2 ms
40.8 inches	3 ms
4.5 feet	4 ms
5.6 feet	5 ms

- **Setting REAR (SURROUND) SPEAKERS**

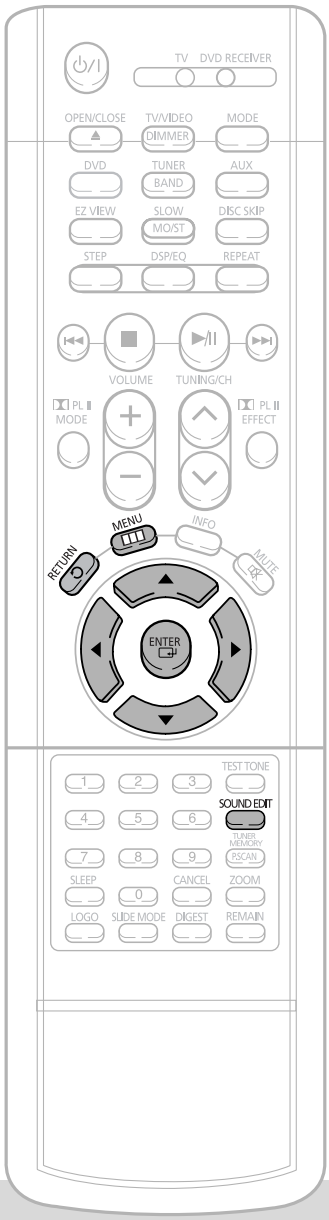
If the distance of Df is equal to the distance of Ds in the figure, set the mode as 0ms. Otherwise, change the setting according to the table.

Distance between Df and Ds	Delay Time
0 inch	0 ms
40.8 inches	3 ms
6.7 feet	6 ms
10.0 feet	9 ms
13.4 feet	12 ms
16.7 feet	15 ms



Setting the Audio Quality

You can adjust the balance and level for each speaker.

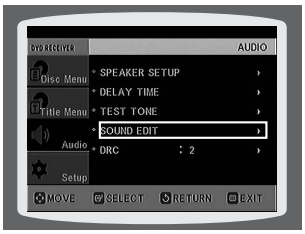


Method 1 When adjusting the audio quality using the setup screen

1 In Stop mode, press **MENU** button.

2 Press Cursor ▼ button to move to 'Audio' and then press **ENTER** button.

3 Press Cursor ▼ button to move to 'SOUND EDIT' and then press **ENTER** button.



4 Press Cursor ▲,▼ buttons to select and adjust the desired item. Press the ◀,▶ buttons to adjust the settings.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Method 2 When manually adjusting with the SOUND EDIT button

Adjusting Front Speaker Balance

1 Press **SOUND EDIT** button and then press Cursor ◀, ▶.

Adjusting Rear Speaker Balance

2 Press **SOUND EDIT** button and then press Cursor ◀, ▶.

Adjusting Center Speaker Level

3 Press **SOUND EDIT** button and then press Cursor ◀, ▶.

Adjusting Rear Speaker Level

4 Press **SOUND EDIT** button and then press Cursor ◀, ▶.

Adjusting Subwoofer Speaker Level

5 Press **SOUND EDIT** button and then press Cursor ◀, ▶.

SETUP

Note

- **The adjustments will appear on the main unit, not on your TV screen.**

Adjusting Front/Rear Speaker Balance

- You can select between 00 and –06 and OFF.
- The volume decreases as you move closer to –6.

Adjusting Center/Rear/Subwoofer Speaker Level

- The volume level can be adjusted in steps from +6dB to –6dB.
- The sound gets louder as you move closer to +6dB and quieter as you get closer to -6dB.

Setting the DRC (Dynamic Range Compression)

You can use this function to enjoy Dolby Digital sound when watching movies at low volume at night.

1 In Stop mode, press **MENU** button.

2 Press Cursor ▼ button to move to 'Audio' and then press **ENTER** button.

3 Press Cursor ▼ button to move to 'DRC' and then press **ENTER** button.

4 Press Cursor▲ ,▼ to adjust the 'DRC'.

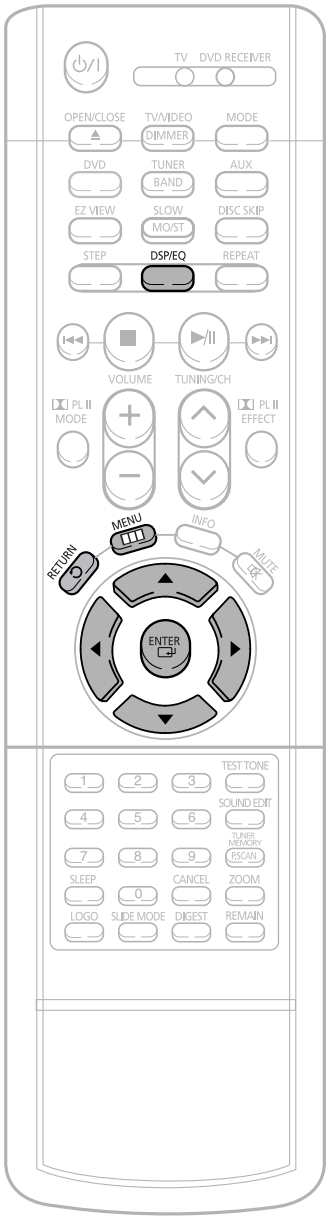
- Pressing the Cursor ▲ button increases the compression, and pressing the Cursor ▼ reduces it.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

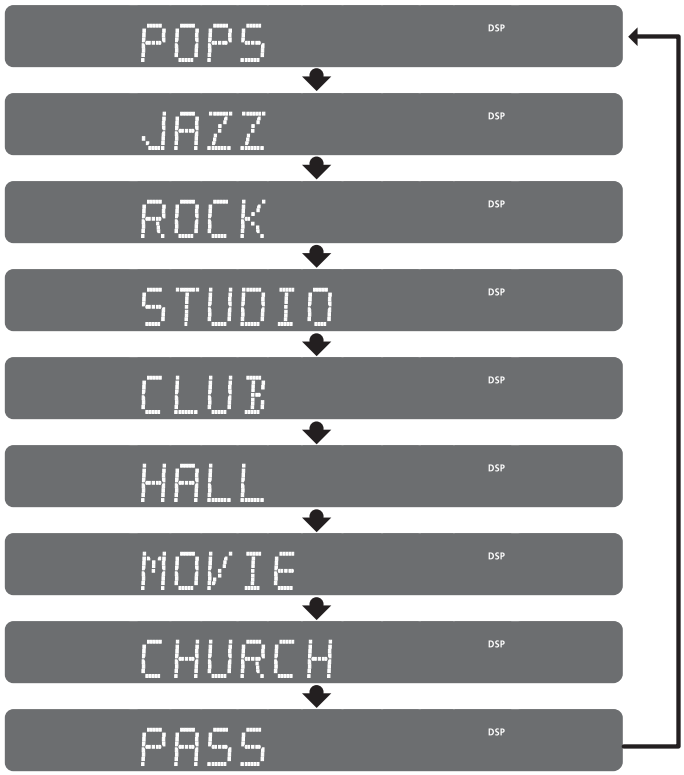
Sound Field (DSP)/EQ Function

DSP(Digital Signal Processor) DSP modes have been designed to simulate different acoustic environments.
EQ: You can select from ROCK, POP, or CLASSIC, depending on the genre of music.



Press **DSP/EQ** button.

- "DSP" appears on the display panel.
- Each time the button is pressed, the selection changes as follows:



Note

- This feature works with CDs, MP3-CDs and 2 channel DVD-Audio and Dolby Digital discs.
- When playing a DVD disc encoded with two or more channels, multi-channel mode will be selected automatically and DSP/EQ function does not work.

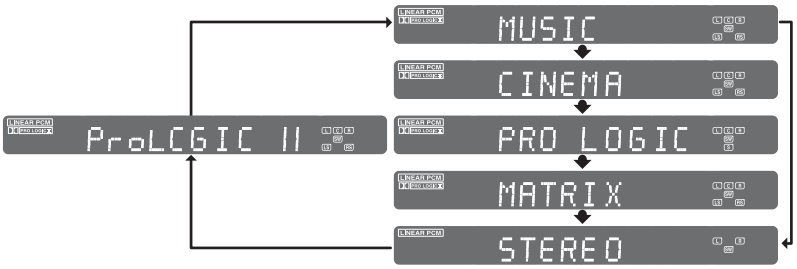
POP, JAZZ, ROCK: Depending on the genre of music, you can select from POP, JAZZ, and ROCK.
STUDIO : Provides a sense of presence as if in a studio.
CLUB : Simulates the sound of a dance club with a throbbing bass beat.
HALL : Provides a clear vocal as if listening in a concert hall.
MOVIE: Provides the feeling of a movie theater.
CHURCH: Gives the feel of being in a grand church.
PASS: Select this for normal listening.

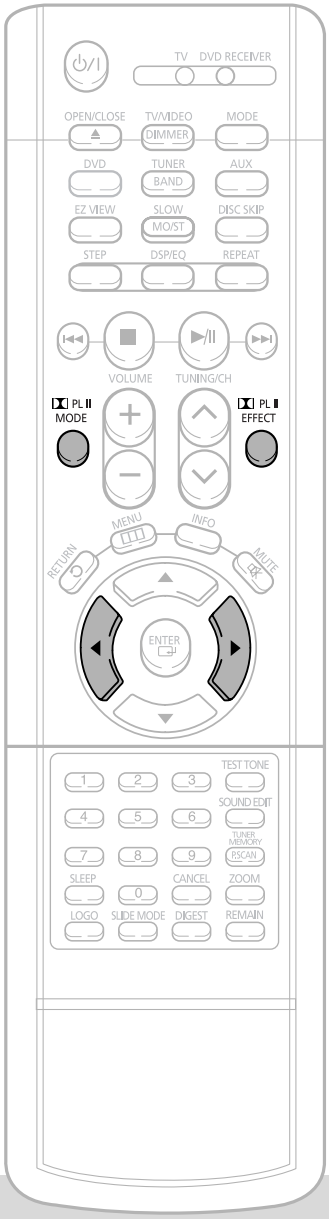
Dolby Pro Logic II Mode

You can select the desired Dolby Pro Logic II audio mode.

Press PL II MODE button.

- Each time the button is pressed, the mode changes as follows.





Note

- When selecting Pro Logic II mode, connect your external device to the AUDIO INPUT jacks (L and R) on the player. If you connect to only one of the inputs (L or R), you cannot listen to 5.1 channel surround sound.

PRO LOGIC II

- **MUSIC:** When listening to music, you can experience sound effects as if you are listening to the actual performance.
- **CINEMA:** Adds realism to the movie soundtrack.
- **PRO LOGIC:** You will experience a realistic multi-channel effect, as if using five speakers, while using just the front leftand right speakers.
- **MATRIX:** You will hear 5.1 channel surround sound.
- **STEREO:** Select this to listen to sounds from the front left and right speakers and the subwoofer only.

Dolby Pro Logic II Effect

This function works only in Dolby Pro Logic MUSIC mode.

1 Press **PL II MODE** button to select 'MUSIC' mode.

2 Press **PL II EFFECT** button and then press Cursor ◄ , ► buttons to select the mode.

- You can select either 0 or 1.

3 Press **PL II EFFECT** button and then press Cursor ◄ , ► buttons to select the next mode.

- You can select between 0 and 7.

4 Press **PL II EFFECT** button and then press Cursor ◄ , ► buttons to select the mode.

- You can select between 0 and 6.

SETUP

Note • When playing a DVD disc encoded with two or more channels, multi-channel mode will be selected automatically and PL II (Dolby Pro Logic II) button does not work.

- **PANORAMA:** This mode extends the front stereo image to include the surround speakers for an exciting "wraparound" effect with side wall imaging.
- **CENTER WIDTH:** Sound is output to the center speaker only. The front left and right speakers produce phantom sound.
- **DIMENSION:** Incrementally adjusts the sound field (DSP) from the front or rear.

Listening to Radio

You can listen to the chosen band (FM, AM broadcast stations) by using either the automatic or manual tuning operation.

Remote Control Unit

1 Press **TUNER/ BAND** button.

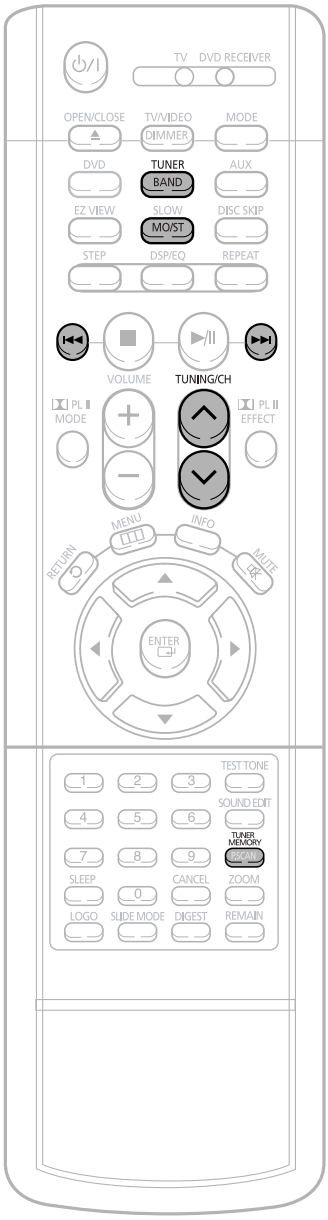
- The selection toggles back and forth between "FM" and "AM" each time the **TUNER(BAND)** button is pressed.

2 Tune in to the desired station.

Automatic Tuning 1 When ⏮ ⏭ is pressed, a preset broadcast station is selected.

Automatic Tuning 2 Press and hold TUNING/CH ⏶⏷ to automatically search for active broadcasting stations.

Manual Tuning Briefly press TUNING/CH ⏶⏷ to increase or decrease the frequency incrementally.



Main Unit

1 Press the **Function** button to select the desired band (FM, AM).

2 Select a broadcast station.

Automatic Tuning 1 Press the **STOP** (■) button to select PRESET and then press ⏮ ⏭ button to select the preset station.

Automatic Tuning 2 Press the **STOP** (■) button to select "MANUAL" and then press and hold ⏮ ⏭ button to automatically search the band.

Manual Tuning Press **STOP** (■) to select MANUAL and then briefly press ⏮ ⏭ to tune in to a lower or higher frequency.

Press **MO/ST** button to listen in Mono/Stereo.

(This applies only when listening to an FM station.)

- Each time the button is pressed, the sound switches between "STEREO" and "MONO".
- In a poor reception area, select MONO for a clear, interference-free broadcast.

Presetting Stations

You can store up to:

- 15 FM stations
- 15 AM stations

- **FM** ..... Frequency Modulation
- **AM** ..... Medium Wave

Example: Presetting FM 89.1 in the memory

1 Press the **TUNER(BAND)** button and select the FM band.

- Each time the button is pressed, the band switches between "FM" and "AM".

2 Press TUNING/CH to select "89.10".

- Refer to Step 2 on page 63 to automatically or manually tune in to a station.

3 Press the **TUNER MEMORY** button.

- "PRGM" flashes in the display.

4 Press ⏮ ⏭ to select preset number.

- You can select between 1 and 15.

5 Press the **TUNER MEMORY** button again.

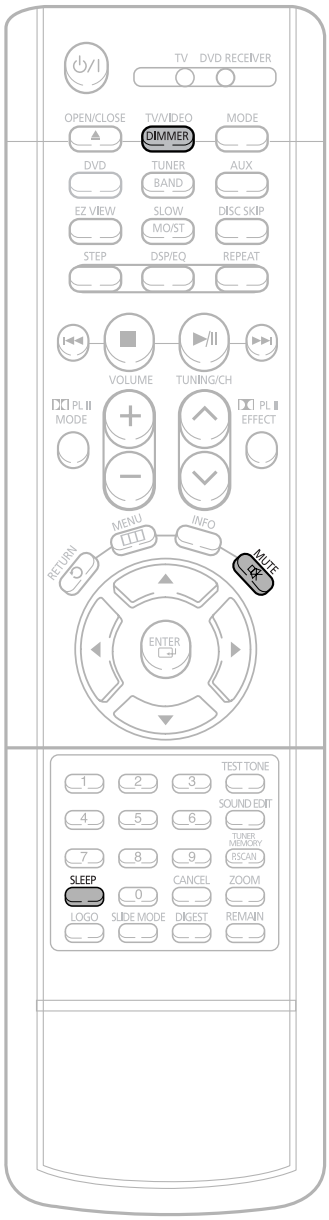
- Press the **TUNER MEMORY** button before 'PRGM' disappears from the display.
- 'PRGM' disappears from the display and the station is stored in memory.

6 To preset another station, repeat steps 2 to 5.

RADIO OPERATION

To tune in to a preset station, press ⏮ ⏭ on the remote control to select a channel.

Convenient Functions



Sleep Timer Function

You can set the time that the DVD player will shut itself off.

Press **SLEEP** button.

•"SLEEP" will be displayed. Each time the button is pressed the preset time changes as follows: 10 → 20 → 30 → 60 → 90 → 120 → 150 → OFF.

To confirm the sleep timer setting, press **SLEEP** button.

•The remaining time before the DVD player will shut itself off is displayed.
•Pressing the button again changes the sleep time from what you have set earlier.

To cancel the sleep timer, press **SLEEP** button until OFF appears on the display.

Adjusting Display Brightness

You can adjust the brightness of the display on the main unit so it won't interfere with your movie viewing.

Press **DIMMER** button.

- Each time the button is pressed, the brightness changes as follows: 'SLIGHTLY DARK, DARK BRIGHT'.

Mute Function

This is useful when answering the door or a telephone call.

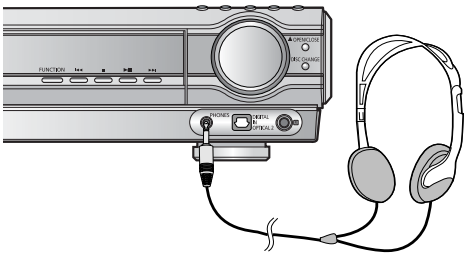
Press **MUTE** button.

- 'MUTE ON' appears in the display.
- To restore the sound, press the button again to select 'MUTE OFF'.

Using Headphones

Use headphones (not supplied) for private listening pleasure.

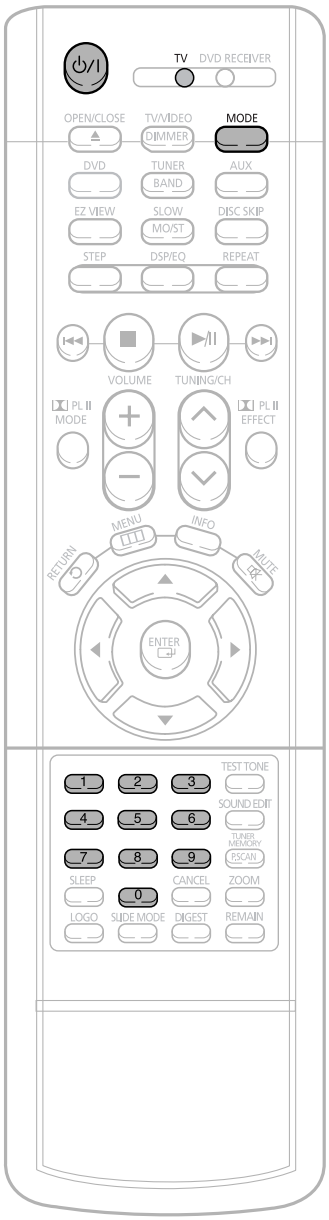
Connect the headphones to the PHONES jack for private listening.



Caution

- To prevent hearing damage, do not increase the volume excessively when using headphones.

Operating a TV with the Remote Control



When operating a TV with the remote control

1 Press the **MODE** button to make the TV indicator on the remote control flash.

2 Press **POWER** button to turn on the TV.

3 Point the remote control toward the TV.

4 While holding down **POWER**, enter the code corresponding to your brand of TV.

- If the code matches the TV's code, the TV will be turned off.
- If there is more than one code listed for your TV in the table, enter one at a time to determine which code works.

Example: For a Samsung TV

While holding down **POWER**, use the number buttons to enter 00, 01, 02, 03, 04, and 05.

5 Pont the remote control toward the TV and press **POWER**. If the TV turns off or on, the setting is complete.

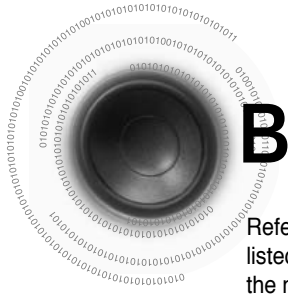
- You can use the POWER, TV/ VIDEO, VOLUME, CHANNEL, and Numeric buttons (0~9).

Note

- The remote control may not work on some brands of TVs. Also some operations may not be possible depending on your brand of TV.
- If you do not set the remote control with the code for your brand of TV, the remote control will work on a Samsung TV by default.

TV Brand Code Number

No.	Brand	Code	No.	Brand	Code
1	SAMSUNG	00(Initial Value), 01, 02, 03, 04, 05, 73	30	BRANDT	41
2	ANAM	06~11, 59	31	FERGUSON	41
3	DAEWOO	12~18, 20, 21	32	PIONEER	41, 48, 74
4	LG	05, 20, 21, 22, 53	33	TELEAVA	41
5	HITACHI	23, 40, 41, 49	34	FINLUX	05, 42, 47
6	JVC	24, 55	35	FISHER	31
7	SHARP	27, 33, 34, 35, 54	36	AKAI	31
8	SONY	27, 36	37	YOKO	05
9	TOSHIBA	27, 37, 42, 43, 44, 46	38	PHONOLA	05, 45, 47
10	SANYO	27, 30, 31, 32	39	RADIOLA	05, 45
11	MITSUBISHI	05, 27, 28	40	SCHNEIDER	05
12	MATSUSHITA	09, 26	41	NEWSAN	58
13	TELEFUNKEN	41, 49, 51, 57	42	CONTINENTAL EDISON	49
14	RCA	29, 61	43	SALORA	48
15	PANASONIC	07, 09, 26, 48, 49, 50	44	SELECO	48
16	SABA	40, 41, 47, 48, 49	45	NOKIA	48
17	PHILIPS	05, 45, 47, 64, 65, 66, 67, 68, 69	46	REX	48
18	GRUNDIG	39, 42, 46, 70, 71, 72	47	MIVAR	46
19	ZENITH	38	48	IMPERIAL	46
20	MIVAL	52	49	CGE	46
21	NOBLEX	56	50	BANG & OLUFSEN	47
22	EMERSON	19	51	BRIONVEGA	47
23	MAGNAVOX	25	52	FORMENTI	47
24	LOEWE	05, 60	53	METZ	47
25	THOMSON	40, 41, 49, 62, 63	54	WEGA	47
26	NORDMENDE	40, 41, 49	55	RADIOMARELLI	47
27	LOEWE OPTA	36, 47, 05	56	SINGER	47
28	BLAUPUNKT	39	57	SINUDYNE	47
29	SIEMENS	39			



Before Calling for Service

Refer to the chart below when this unit does not function properly. If the problem you are experiencing is not listed below or if the instruction below does not help, turn off the unit, disconnect the power cord, and contact the nearest authorized dealer or Samsung Electronics Service Center.

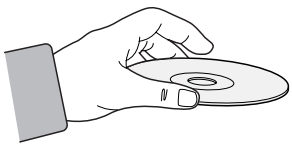
Symptom	Check/Remedy
Disc tray does not open.	• Is the power cord plugged securely into the outlet? • Turn off the power and then turn it back on.
Playback does not start.	• Is the region code of the disc "1" or "ALL"? DVD discs purchased from abroad may not be playable. • CD-ROMs and DVD-ROMs cannot be played on this DVD player. • Make sure that the rating level is correct.
Playback does not start immediately when the Play/Pause button is	• Are you using a deformed disc or a disc with scratches on the surface? • Wipe the disc clean.
Sound is not produced.	• No sound is heard during fast playback, slow playback, and step motion playback. • Are the speakers connected properly? Is the speaker setup correctly customized? • Is the disc severely damaged?
Sound can be heard only from a few speakers and not all six.	• When listening to a CD or radio, sound is output to the front speakers (L/R) only. Select "PRO LOGIC II" by pressing DD PL II (Dolby Pro Logic II) on the remote control to use all six speakers. • Make sure that the DVD disc is 5.1-CH compatible. • If you set C, SL, and SR to NONE in the speaker mode in the audio setup of the setup screen, no sound is heard from the center speaker and the front left and right speakers. Set C, SL, and SR to SMALL.
Picture does not appear, sound is not produced, or the disc tray opens 2 to 5 seconds later.	• Was the DVD player suddenly moved from a cold place to a warm one? When condensation forms inside the player, remove the disc and let the player stand for 1 or 2 hours with the power on. (You can use the player again after condensation disappears.)
Dolby Digital 5.1 CH Surround Sound is not produced.	• Is there a "Dolby Digital 5.1 CH" mark on the disc? Dolby Digital 5.1 CH Surround Sound is produced only if the disc is recorded with 5.1 channel sound. • Is the audio language correctly set to DOLBY DIGITAL 5.1-CH in the information display?

Symptom	Check/Remedy
• Disc is rotating but no picture is produced. • Picture quality is poor and picture is shaking.	• Is the TV power on? • Are the video cables connected properly? • Is the disc dirty or damaged? • A poorly manufactured disc may not be playable.
The remote control does not work.	• Is the remote control being operated within its operation range of angle and distance? • Are the batteries exhausted?
Audio language and subtitles do not work.	• Audio language and subtitles will not work for DVDs not containing them. And depending on the disc, they may work differently.
Menu screen does not appear even when the menu function is selected.	• Are you using a disc that does not contain menus?
Aspect ratio cannot be changed.	• You can play 16:9 DVDs in 16:9 WIDE mode, 4:3 LETTER BOX mode, or 4:3 PAN SCAN mode, but 4:3 DVDs can be seen in 4:3 ratio only. Refer to the DVD disc jacket and then select the appropriate function.
Can't receive radio broadcast.	• Is the antenna connected properly? • If the antenna's input signal is weak, install an external FM antenna in an area with good reception.
• The main unit is not working. (Example: The power goes out or a strange noise is heard.) • The DVD player is not working normally.	• Turn off the power and hold the ⏻ button on the main unit for longer than 5 seconds. Using the RESET function will erase all stored settings. Do not use this unless necessary.
The password for rating level has been forgotten.	• While “NO DISC” message appears on the display of main unit, hold the main unit's ⏻ button for longer than 5 seconds. “INTIALIZE” appears on the display and all settings will return to the default values. • Press the POWER button. **Using the RESET function will erase all stored settings.** **Do not use this unless necessary.**

Cautions on Handling and Storing Discs

Small scratches on the disc may reduce sound and picture quality or cause skipping. Be especially careful not to scratch discs when handling them.

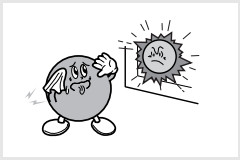
Handling discs



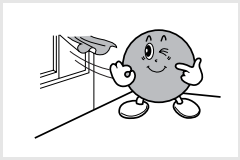
Do not touch the playback side of the disc. Hold the disc by the edges so that fingerprints will not get on the surface.
Do not stick paper or tape on the disc.

Disc Storage

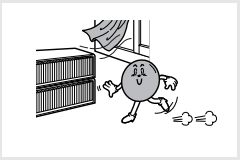
Do not keep in direct sunlight



Keep in a cool ventilated area



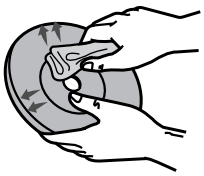
Keep in a clean Protection jacket. Store vertically.



Caution

- Do not allow the discs to become contaminated with dirt.
- Do not load cracked or scratched discs.

Handling and Storing Discs



When you get fingerprints or dirt on the disc, clean it with a mild detergent diluted in water and wipe with a soft cloth.

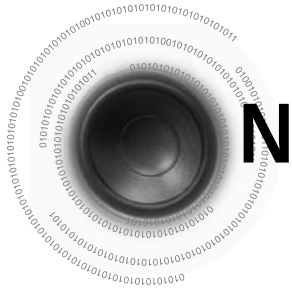
- When cleaning, wipe gently from the inside to the outside of the disc.

Note

- Condensation may form if warm air comes into contact with cold parts inside the player. When condensation forms inside the player, the player may not operate correctly. If this occurs, remove the disc and let the player stand for 1 or 2 hours with the power on.

Specifications

GENERAL	Power Consumption	100W		
	Weight	12.8lbs		
	Dimensions (W x H x D)	17.2 x 3.3 x 16.3 inches		
	Operating Temperature Range	41°F ~ 95°F		
	Operating Humidity Range	10% ~ 75%		
FM TUNER	Usable Sensitivity	10dB		
	S/N Ratio	55dB		
	Distortion	0.5%		
AM TUNER	Usable Sensitivity	65dB		
	S/N Ratio	35dB		
	Distortion	2%		
VIDEO INPUT	Component Video	Y:1.0Vp-p(75Ω load), Pr:0.70Vp-p(75Ω load)		
		Pb:0.70Vp-p(75Ω load)		
VIDEO OUTPUT	Composite Video	1.0Vp-p(75Ω load)		
	Component Video	Y:1.0Vp-p(75Ω load)		
		Pr:0.70Vp-p(75Ω load)		
		Pb:0.70Vp-p(75Ω load)		
	S-VIDEO	Luminance Signal: 1.0Vp-p(75Ω load)		
		Color Signal: 0.286Vp-p(75Ω load)		
AMPLIFIER	Front speaker output	100W x 2(4Ω)		
	Center speaker output	100W(4Ω)		
	Rear speaker output	100W x 2(4Ω)		
	Subwoofer speaker output	100W(4Ω)		
	Frequency range	20Hz~20kHz		
	S/N Ratio	75dB		
	Channel separation	50dB		
	Input sensitivity	(AUX)500mV		
SPEAKERS	Speaker system	5.1ch speaker system		
		Front/Center/Rear speaker		Subwoofer speaker
	Impedance	4Ω x 5		4Ω
	Frequency range	150Hz~20kHz		30Hz~150Hz
	Output sound pressure level	86dB/W/M		86dB/W/M
	Rated input	100W		100W
	Maximum input	200W		200W
	Dimensions (W x H x D)	Front/Rear	3.3 x 45.2 x 3.9 inches	7.1 x 16.1 x 15 inches
		Center	12.8 x 3.3 x 3.9 inches	
	Weight	Front/Rear	9.7 lbs	15.4 lbs
		Center	3.5 lbs	



Notes on Terminology

ANGLE	Recorded onto some DVD discs are scenes which have been simultaneously shot from a number of different angles (the same scene is shot from the front, from the left , from the right , etc.). With such discs, the Angle button can be used to change the angle of view for specific scenes.
CHAPTER NUMBER	These numbers are recorded on DVD discs. A Title is subdivided into many sections, each of which is numbered, and specific parts of the video can be searched quickly using these numbers.
DVD	A high-density optical disc on which high-quality pictures and sound have been recorded by means of digital signals. Incorporating a new video compression technology (MPEG-2) and high-density recording technology, a DVD disc comprises two 0.6 mm thick discs bonded together.
PCM	An acronym for Pulse Code Modulation - another name for digital audio.
PBC (PLAYBACK CONTROL)	This is recorded on a video CD (version 2.0). Selected scenes or information can be chosen from the menu displayed on the TV monitor.
REGION NUMBER	Both the DVD player and DVD discs are encoded with a region number. If the region number on the DVD disc does not correspond to the region number of the DVD player, the player cannot play the disc.
SUBTITLES	Translated appearing at the bottom of the screen. A DVD disc can contain up to 32 subtitle languages.
TITLE NUMBER	These numbers are recorded on DVD discs. When a disc contains two or more movies, these movies are numbered as Title 1, Title 2, etc.
TRACK NUMBER	These numbers are assigned to the tracks which are recorded on video and audio CDs. They enable specific tracks to be located quickly.
VIDEO CD	Contains recordings of pictures and sound whose quality is roughly comparable to that of video tape. This player also supports video CDs with playback control (version 2.0).
DIGITAL dts SURROUND	You can enjoy 5.1 (or 6) channels of high fidelity digital sound from various digital input sources such as DVD, CD etc. DTS provides a realistic, clear surround sound that has not previously been available from conventional surround sound.
DOLBY DIGITAL	5.1 (or 6) Channel Digital Surround sound reproduced from DVDs and LDs recorded as a digital signals (with DOLBY DIGITAL disc marking). With better sound quality, dynamic range, and directionality than traditional Dolby surround technology, you can enjoy dynamic, realistic sound.
DOLBY DIGITAL PRO LOGIC II	A 4 channel analog sound reproduced from a program source such as a videotape or LD with the DOLBY DIGITAL PRO LOGIC II mark. You can enjoy a more realistic, robust sound unavailable from regular stereo sources.

SAMSUNG ELECTRONICS

Samsung Limited Warranty

Samsung Electronics Canada Inc. (SECA), warrants that this product is free from defective material and workmanship.

SECA further warrants that if this product fails to operate properly within the specified warranty period and the failure is due to improper workmanship or defective material SECA will repair or replace the product at its option.

All warranty repairs must be performed by a SECA authorized service centre. (The name and address of the location nearest you can be obtained by calling toll free 1-800-726-7864 or visiting our web site at www.samsung.ca)

Labour	Parts
one (1) year (carry-in)	one (1) year

On carry-in models, transportation to and from the service centre is the customer's responsibility.

The original dated sales receipt must be retained by the customer and is the only acceptable proof of purchase. It must be presented to the authorized service centre at the time service is requested.

Exclusions

This warranty does not cover damage due to accident, fire flood and/or other acts of God; misuse, incorrect line voltage, improper installation, improper or unauthorized repairs, commercial use, or damage that occurs in shipping. Exterior and interior finish, lamps and glass are not covered under this warranty. Customer adjustments which are explained in the instruction manual are not covered under the terms of this warranty.
This warranty will automatically be voided for any unit found with a missing or altered serial number. This warranty is valid only on products purchased and used in Canada.

SAMSUNG ELECTRONICS CANADA, INC.

HEADQUARTERS
7037 Financial Drive, Mississauga, Ontario, Canada L5N 6R3
TEL: 1-905-542-3535
www.samsung.ca

SERVICE DIVISION
7037 Financial Drive, Mississauga, Ontario, Canada L5N 6R3
1-800-SAMSUNG (1-800-726-7864)

AV SYNC LC **AH68-01493F**